

118916

**From:** Chan, Christina  
**Sent:** Wednesday, April 07, 2004 9:37 AM  
**To:** Basi, Nirmal; STIC-Biotech/ChemLib  
**Subject:** RE: rush search for 09/608,890 (use sequence in Parent Application 08/628,829, to do search)

Please rush. Thanks Chris

*Chris Chan*

TC 1600 New Hire Training Coordinator and SPE 1644  
(571)-272-0841  
Remsen, 3E89

-----Original Message-----

**From:** Basi, Nirmal  
**Sent:** Tuesday, April 06, 2004 7:50 PM  
**To:** Chan, Christina  
**Subject:** rush search for 09/608,890 (use sequence in Parent Application 08/628,829, to do search)

Christina I am seeking approval for a RUSH sequence search, as indicated below. If approved, could you please forward the search to STIC and cc a copy to me.

Examiner: Nirmal S. Basi  
Art Unit 1646  
Office: Remsen Building, Room 4D68  
Mail Room: Remsen Building, room 4C70

Sequence search:

App. #: 09/608,890 (use sequence in Parent Application 08/628,829, to do search)  
Result format: Paper.

Title: Method and product for regulating Cell responsiveness to External Signals  
Inventors: Johnson et al

Priority Date: 04/15/1993

Please search:

i) SEQ ID NOS: 1-4

Search commercial and issued database.

Thanks,  
Nirmal S. Basi

Searcher: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: \_\_\_\_\_  
Date Completed: \_\_\_\_\_  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

TYPE OF SEARCH:  
NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_

FILE 'MEDLINE'  
FILE 'JAPIO'  
FILE 'BIOSIS'  
FILE 'SCISEARCH'  
FILE 'WPIDS'  
FILE 'CAPLUS'  
FILE 'EMBASE'  
=> s mitogen erk kinase kinase#  
L1 3 MITOGEN ERK KINASE KINASE#

=> s mekk1  
L2 1730 MEKK1

=> s l1 and (apoptosis or cell death)  
6 FILES SEARCHED...  
L3 0 L1 AND (APOPTOSIS OR CELL DEATH)

=> s l2 and l3  
L4 0 L2 AND L3

=> s l2 and apoptosis  
L5 531 L2 AND APOPTOSIS

<-----User Break----->

SEARCH ENDED BY USER

=> s l5 and (kinase domain# or regulatory domain#)  
L6 36 L5 AND (KINASE DOMAIN# OR REGULATORY DOMAIN#)

=> dup rem l6  
PROCESSING COMPLETED FOR L6  
L7 10 DUP REM L6 (26 DUPLICATES REMOVED)

=> d ibib abs 17

L7 ANSWER 1 OF 10 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2004:275335 SCISEARCH  
THE GENUINE ARTICLE: 8030L  
TITLE: Computational and experimental studies on human  
misshapen/NIK-related kinase MINK-1  
AUTHOR: Qu K B (Reprint); Lu Y M; Lin N; Singh R; Xu X; Payan D G;  
Xu D  
CORPORATE SOURCE: Rigel Pharmaceut Inc, 1180 Vet Blvd, San Francisco, CA  
94080 USA (Reprint); Rigel Pharmaceut Inc, San Francisco,  
CA 94080 USA; Genentech Inc, San Francisco, CA 94080 USA;  
Univ Missouri, Dept Comp Sci, Digital Biol Lab, Columbia,  
MO 65211 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: CURRENT MEDICINAL CHEMISTRY, (MAR 2004) Vol. 11, No. 5,  
pp. 569-582.  
Publisher: BENTHAM SCIENCE PUBL LTD, PO BOX 1673, 1200 BR  
HILVERSUM, NETHERLANDS.  
ISSN: 0929-8673.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 38

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

AB We have studied the structure and function of Human Misshapen/NIK-related kinase (MINK-1) through a combination of computational methods and experimental approaches, including (1) fold recognition and sequence-structure alignment for each structural domain using the threading program PROSPECT, (2) gene expression and protein-protein interaction analysis of yeast homologs of human MINK-1 domains, and (3) yeast two-hybrid screening for proteins that interact with human MINK-1. Our structure prediction dissects MINK-1 into four domains: a conserved N-terminal kinase domain, followed by a coiled-coil region and a proline-rich region, and a C-terminal GCK domain. Gene expression and yeast two-hybrid analysis of yeast homologs of the MINK-1 domains suggest that MINK-1 may be involved in cell-cycle progression and cytoskeletal control. Consistent with these predicted functions, our in-house yeast two-hybrid screen for proteins that interact with human MINK-1 provides strong evidence that the coiled-coil and proline-rich domains of MINK-1 participate in the regulation of cytoskeletal organization, cell-cycle control and apoptosis. A homology model of the MINK-1 kinase domain was used to screen the NCI open compound database in DOCK, and chemical compounds with

pharmaceutically acceptable properties were identified. Further medicinal chemistry compound structure optimization and kinase assays are underway.

=> d ibib abs 17 1-10

L7 ANSWER 1 OF 10 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2004:275335 SCISEARCH  
THE GENUINE ARTICLE: 8030L  
TITLE: Computational and experimental studies on human  
misshapen/NIK-related kinase MINK-1  
AUTHOR: Qu K B (Reprint); Lu Y M; Lin N; Singh R; Xu X; Payan D G;  
Xu D  
CORPORATE SOURCE: Rigel Pharmaceut Inc, 1180 Vet Blvd, San Francisco, CA  
94080 USA (Reprint); Rigel Pharmaceut Inc, San Francisco,  
CA 94080 USA; Genentech Inc, San Francisco, CA 94080 USA;  
Univ Missouri, Dept Comp Sci, Digital Biol Lab, Columbia,  
MO 65211 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: CURRENT MEDICINAL CHEMISTRY, (MAR 2004) Vol. 11, No. 5,  
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Publisher: BENTHAM SCIENCE PUBL LTD, PO BOX 1673, 1200 BR  
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AB We have studied the structure and function of Human Misshapen/NIK-related kinase (MINK-1) through a combination of computational methods and experimental approaches, including (1) fold recognition and sequence-structure alignment for each structural domain using the threading program PROSPECT, (2) gene expression and protein-protein interaction analysis of yeast homologs of human MINK-1 domains, and (3) yeast two-hybrid screening for proteins that interact with human MINK-1. Our structure prediction dissects MINK-1 into four domains: a conserved N-terminal kinase domain, followed by a coiled-coil region and a proline-rich region, and a C-terminal GCK domain. Gene expression and yeast two-hybrid analysis of yeast homologs of the MINK-1 domains suggest that MINK-1 may be involved in cell-cycle progression and cytoskeletal control. Consistent with these predicted functions, our in-house yeast two-hybrid screen for proteins that interact with human MINK-1 provides strong evidence that the coiled-coil and proline-rich domains of MINK-1 participate in the regulation of cytoskeletal organization, cell-cycle control and apoptosis. A homology model of the MINK-1 kinase domain was used to screen the NCI open compound database in DOCK, and chemical compounds with pharmaceutically acceptable properties were identified. Further medicinal chemistry compound structure optimization and kinase assays are underway.

L7 ANSWER 2 OF 10 MEDLINE on STN DUPLICATE 1  
ACCESSION NUMBER: 2004178525 IN-PROCESS  
DOCUMENT NUMBER: PubMed ID: 15072767  
TITLE: Subcellular targeting regulates the function of  
caspase-activated protein kinases in apoptosis.  
AUTHOR: Jakobi Rolf  
CORPORATE SOURCE: Department of Biochemistry, The University of Health  
Sciences, 1750 Independence Avenue, Kansas City, MO 64106,  
USA.. rjakobi@uhs.edu  
SOURCE: Drug resistance updates : reviews and commentaries in  
antimicrobial and anticancer chemotherapy, (2004 Feb) 7 (1)  
11-7.  
Journal code: 9815369. ISSN: 1368-7646.  
PUB. COUNTRY: Scotland: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals  
ENTRY DATE: Entered STN: 20040410  
Last Updated on STN: 20040505

AB Subcellular localization and targeting of proteins play important roles in signal transduction pathways that regulate cell survival and programmed cell death. The regulation of cell survival and cell death requires translocation of many anti- and pro-apoptotic signaling molecules from one subcellular compartment to another. In many cases translocation is triggered by caspase cleavage. Caspase cleavage removes the regulatory domains of the protein kinases MEKK1, Mst-1 and PAK-2 resulting in activation and in relocation of the catalytic fragments. Caspase-activated MEKK1 translocates from a particulate compartment to the cytosol; caspase-activated Mst-1 and PAK-2 translocate from the cytoplasm to the nucleus. Caspase activation of these protein kinases

induces a cell death response. Relocalization of the catalytic fragments to a pro-apoptotic location appears to be required to induce cell death. It is suggested that translocation to a pro-apoptotic location results in phosphorylation of pro-apoptotic substrates. Therefore, these protein kinases could represent novel targets for cancer therapy. Compounds that stimulate cleavage of MEKK1, Mst-1 and PAK-2 or compounds that cause translocation to a pro-apoptotic location could be used to induce cell death of cancer cells.

L7 ANSWER 3 OF 10 MEDLINE on STN DUPLICATE 2  
ACCESSION NUMBER: 2003056106 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12565821  
TITLE: The kinase domain of MEKK1  
induces apoptosis by dysregulation of MAP kinase  
pathways.  
AUTHOR: Boldt Simone; Weidle Ulrich H; Kolch Walter  
CORPORATE SOURCE: Beatson Institute for Cancer Research, Cancer Research UK,  
Garscube Estate, Switchback Road, Bearsden, Glasgow G61  
1BD, UK.. sboldt@beatson.gla.ac.uk  
SOURCE: Experimental cell research, (2003 Feb 1) 283 (1) 80-90.  
Journal code: 0373226. ISSN: 0014-4827.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200303  
ENTRY DATE: Entered STN: 20030205  
Last Updated on STN: 20030313  
Entered Medline: 20030312

AB MAP kinase pathways comprise a group of parallel protein phosphorylation cascades, which are involved in signaling triggered by a variety of stimuli. Previous findings suggested that the ERK and the JNK pathways have opposing roles in regulating proliferation and survival or apoptosis and that apoptosis can be promoted by inhibiting the ERK pathway or by activation of the JNK pathway. In order to test this hypothesis and explore whether it can be exploited as a strategy for killing human cancer cells, we used gene transfer experiments with a range of cancer cell lines. We expressed the catalytic fragment of human MEKK1 to activate JNK and the Ras-binding domain (RBD) of Raf-1 to inhibit the Ras-ERK pathway. In addition, we designed several RBD-MEKK1 fusion proteins aiming to simultaneously activate the JNK and block the ERK pathway. We found that the MEKK1 proteins as well as the RBD alone could reduce colony formation in all cell lines. The survival time of MEKK1-expressing cells depended on the cell line. In HeLa cells, survival could be prolonged by inhibition of caspases but not by coexpression of the anti-apoptotic protein Bcl-2. Due to a lower kinase activity the RBD-MEKK1 fusion proteins were less effective in apoptosis induction than the MEKK1 kinase domain alone. Using mutant forms of Ras and Raf-1 we could show that the reduced kinase activity of RBD-MEKK1 fusion proteins was caused by binding to the Ras protein. The expression of lethal doses of MEKK1 resulted in a strong activation of all three major MAP kinase families JNK, ERK, and p38. Blocking these pathways either by coexpressing a dominant negative form of MKK4 or with inhibitors of MEK or p38 failed to inhibit apoptosis. This suggests that MEKK1 induces apoptosis by causing a general deregulation of MAP kinase signaling rather than by the activation of a single pathway.  
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L7 ANSWER 4 OF 10 MEDLINE on STN DUPLICATE 3  
ACCESSION NUMBER: 2002307743 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12049732  
TITLE: The PHD domain of MEKK1 acts as an E3 ubiquitin  
ligase and mediates ubiquitination and degradation of  
ERK1/2.  
AUTHOR: Lu Zhimin; Xu Shuichan; Joazeiro Claudio; Cobb Melanie H;  
Hunter Tony  
CORPORATE SOURCE: Molecular and Cell Biology Laboratory, The Salk Institute  
for Biological Studies, 10010 North Torrey Pines Road, La  
Jolla, CA 92037, USA.  
CONTRACT NUMBER: CA14195 (NCI)  
CA82863 (NCI)  
GM 56498 (NIGMS)  
SOURCE: Molecular cell, (2002 May) 9 (5) 945-56.  
Journal code: 9802571. ISSN: 1097-2765.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200207  
ENTRY DATE: Entered STN: 20020611  
Last Updated on STN: 20030304  
Entered Medline: 20020703

AB ERK1/2 MAP kinases are important regulators in cellular signaling, whose activity is normally reversibly regulated by threonine-tyrosine phosphorylation. In contrast, we have found that stress-induced ERK1/2 activity is downregulated by ubiquitin/proteasome-mediated degradation of ERK1/2. The PHD domain of MEKK1, a RING finger-like structure, exhibited E3 ubiquitin ligase activity toward ERK2 in vitro and in vivo. Moreover, both MEKK1 kinase activity and the docking motif on ERK1/2 were involved in ERK1/2 ubiquitination. Significantly, cells expressing ERK2 with the docking motif mutation were resistant to sorbitol-induced apoptosis. Therefore, MEKK1 functions not only as an upstream activator of the ERK and JNK through its kinase domain, but also as an E3 ligase through its PHD domain, providing a negative regulatory mechanism for decreasing ERK1/2 activity.

L7 ANSWER 5 OF 10 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2002:76222 SCISEARCH  
THE GENUINE ARTICLE: 511FE  
TITLE: Direct activation of mitogen-activated protein kinase  
kinase kinase MEKK1 by the Ste20p homologue GCK  
and the adapter protein TRAF2  
AUTHOR: Chadee D N; Yuasa T; Kyriakis J M (Reprint)  
CORPORATE SOURCE: Massachusetts Gen Hosp East, Diabet Res Lab, 149 13th St,  
Charlestown, MA 02129 USA (Reprint); Massachusetts Gen  
Hosp, Med Serv, Diabet Res Lab, Charlestown, MA USA;  
Harvard Univ, Sch Med, Dept Med, Charlestown, MA USA; Univ  
Tokyo, Grad Sch Arts & Sci, Dept Life Sci, Tokyo 1130033,  
Japan  
COUNTRY OF AUTHOR: USA; Japan  
SOURCE: MOLECULAR AND CELLULAR BIOLOGY, (FEB 2002) Vol. 22, No. 3,  
pp. 737-749.  
Publisher: AMER SOC MICROBIOLOGY, 1752 N ST NW,  
WASHINGTON, DC 20036-2904 USA.  
ISSN: 0270-7306.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 49

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

AB Mitogen-activated protein kinase (MAPK) pathways coordinate critical cellular responses to mitogens, stresses, and developmental cues. The coupling of MAPK kinase kinase (MAP3K) --> MAPK kinase (MEK) --> MAPK core pathways to cell surface receptors remains poorly understood. Recombinant forms of MAP3K MEK kinase I (MEKK1) interact in vivo and in vitro with the STE20 protein homologue germinal center kinase (GCK), and both GCK and MEKK1 associate in vivo with the adapter protein tumor necrosis factor (TNF) receptor-associated factor 2 (TRAF2). These interactions may couple TNF receptors to the SAPK/JNK family of MAPKs; however, a molecular mechanism by which these proteins might collaborate to recruit the SAPKs/JNKs has remained elusive. Here we show that endogenous GCK and MEKK1 associate in vivo. In addition, we have developed an in vitro assay system with which we demonstrate that purified, active GCK and TRAF2 activate MEKK1. The RING domain of TRAF2 is necessary for optimal in vitro activation of MEKK1, but the kinase domain of GCK is not. Autophosphorylation within the MEKK1 kinase domain activation loop is required for activation. Forced oligomerization also activates MEKK1, and GCK elicits enhanced oligomerization of coexpressed MEKK1 in vivo. These results represent the first activation of MEKK1 in vitro using purified proteins and suggest a mechanism for MEKK1 activation involving induced oligomerization and consequent auto phosphorylation mediated by upstream proteins.

L7 ANSWER 6 OF 10 MEDLINE on STN DUPLICATE 4  
ACCESSION NUMBER: 2002055698 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11781136  
TITLE: Role of the amino-terminal domains of MEKKs in the  
activation of NF kappa B and MAPK pathways and in the  
regulation of cell proliferation and apoptosis.  
AUTHOR: Bonvin Christelle; Guillon Audrey; van Bemmelen Miguel X;  
Gerwins Par; Johnson Gary L; Widmann Christian  
CORPORATE SOURCE: Institute of Cellular Biology and Morphology, Lausanne  
University, Lausanne, Switzerland.  
SOURCE: Cellular signalling, (2002 Feb) 14 (2) 123-31.  
Journal code: 8904683. ISSN: 0898-6568.  
PUB. COUNTRY: England; United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200203  
ENTRY DATE: Entered STN: 20020125  
Last Updated on STN: 20020320  
Entered Medline: 20020319

AB Mitogen-activated protein kinase (MAPK)/extracellular signal-regulated kinase (ERK) kinase (MEK) kinases (MEKKs) are serine/threonine kinases that are upstream regulators of MAPKs. Here, the role of the amino-terminal (N-terminal) domain of MEKK1-4 on the regulation of different intracellular signaling pathways, apoptosis, and cell proliferation has been assessed by comparing the responses induced by the full-length (FL) MEKKs to those induced by the kinase domains only. For each MEKK, the pattern of activation of NF kappa B, the ERK MAPK pathway, and the c-Jun N-terminal kinase (JNK) MAPK pathway markedly differed between the kinase domain and the FL form. Similarly, cell proliferation and apoptosis were differently regulated by the FL MEKK and the corresponding kinase domain. Our data show that the N-terminal domain of the MEKKs determines the specificity and the strength of activation of various intracellular signaling pathways and cellular responses.

L7 ANSWER 7 OF 10 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN  
 ACCESSION NUMBER: 2002-163179 [21] WPIDS  
 CROSS REFERENCE: 1994-357747 [44]; 1998-311395 [27]; 1999-094912 [08];  
 1999-633328 [54]; 2000-411281 [35]  
 DOC. NO. CPI: C2002-050327  
 TITLE: New isolated nucleic acid encoding mitogen extracellular  
 signal-regulated kinase kinase, useful for gene therapy  
 of e.g. cancer and for recombinant protein production.  
 DERWENT CLASS: B04 D16  
 INVENTOR(S): JOHNSON, G L  
 PATENT ASSIGNEE(S): (NAJE-N) NAT JEWISH CENT IMMUNOLOGY & RESPIRATORY  
 COUNTRY COUNT: 1  
 PATENT INFORMATION:

| PATENT NO  | KIND DATE             | WEEK | LA  | PG |
|------------|-----------------------|------|-----|----|
| US 6333170 | B1 20011225 (200221)* |      | 125 |    |

APPLICATION DETAILS:

| PATENT NO  | KIND      | APPLICATION    | DATE     |
|------------|-----------|----------------|----------|
| US 6333170 | B1 CIP of | US 1993-49254  | 19930415 |
|            | CIP of    | US 1994-323460 | 19941014 |
|            | CIP of    | US 1995-440421 | 19950512 |
|            | CIP of    | US 1995-472934 | 19950606 |
|            |           | US 1996-628829 | 19960405 |

FILING DETAILS:

| PATENT NO  | KIND      | PATENT NO  |
|------------|-----------|------------|
| US 6333170 | B1 CIP of | US 5405941 |
|            | CIP of    | US 5753446 |
|            | CIP of    | US 5854043 |

PRIORITY APPLN. INFO: US 1996-628829 19960405; US  
 1993-49254 19930415; US  
 1994-323460 19941014; US  
 1995-440421 19950512; US  
 1995-472934 19950606

AN 2002-163179 [21] WPIDS  
 CR 1994-357747 [44]; 1998-311395 [27]; 1999-094912 [08]; 1999-633328 [54];  
 2000-411281 [35]

AB US 6333170 B UPAB: 20020403  
 NOVELTY - Isolated nucleic acid (A) that encodes mitogen ERK (extracellular signal-regulated kinase) kinase kinase (MEKK) protein, is new.  
 DETAILED DESCRIPTION - Isolated nucleic acid (A) that:  
 (a) has a sequence of S1 (3260 base pairs (bp)), S3 (5539 bp), S5 (2503 bp), S7 (2503 bp), S9 (3089 bp), S11 (3913 bp) or S13 (5414 bp); or  
 (b) encodes mitogen ERK (extracellular signal-regulated kinase) kinase kinase (MEKK) proteins with sequences of S2 (672 amino acids (aa)), S4 (1593 aa), S6 (619 aa), S8 (619 aa), S10 (626 aa), S12 (890 aa) or S14 (1597 aa), where all sequences are murine and are given in the specification, is new.  
 INDEPENDENT CLAIMS are also included for the following:  
 (1) an isolated nucleic acid (B) that encodes a MEKK catalytic domain, i.e. aa 409 - 672 of S2, aa 1329 - 1593 of S4, aa 361 - 619 S6 or S8, aa 366 - 626 of S10, aa 631 - 890 of S12 or aa 1338 - 1597 of S14); and  
 (2) an isolated nucleic acid (C) that encodes a MEKK N-terminal regulatory region, i.e. aa 1 - 408 of S2, aa 1 - 1328 of S4, aa 1 - 360 of S6 or S8, aa 1 - 365 of S10, aa 1 - 630 of S12 or aa 1 - 1337 S14.

ACTIVITY - Cytostatic; immunosuppressive; antiinflammatory; antiallergic; neuroprotective; nootropic; antiparkinsonian; contraceptive.

MECHANISM OF ACTION - MEKK-dependent signaling pathways regulator; growth factor receptor signal regulator; mitogen-activated protein kinase kinase phosphorylator; ras protein binder. When Swiss 3T3 mice were microinjected with a vector that expressed a truncated, active fragment of MEKK1, 84 % of them showed a highly condensed (apoptosis -like) morphology after 17 hours. A kinase-inactive mutant of MEKK1 did not show this effect.

USE - (A), and fragments encoding catalytic or regulatory domains of MEKK, are used:

(i) to treat a very wide range of diseases e.g. cancer, autoimmune diseases, inflammation, allergy, degenerative neurological diseases (e.g. Alzheimer's or Parkinson's), also to improve grafting of transplanted tissue, as additive for cell cultures and for inhibiting spermatogenesis or oocyte maturation for contraception; and

(ii) for recombinant expression of MEKK protein, useful in the same way as (A).

Dwg.0/30

L7 ANSWER 8 OF 10 MEDLINE on STN DUPLICATE 5

ACCESSION NUMBER: 2001539235 MEDLINE

DOCUMENT NUMBER: PubMed ID: 11585901

TITLE: MEKK1 is essential for DT40 cell apoptosis in response to microtubule disruption.

AUTHOR: Kwan R; Burnside J; Kurosaki T; Cheng G

CORPORATE SOURCE: Molecular Biology Institute, University of California Los Angeles, Los Angeles, California 90095-1781, USA.

CONTRACT NUMBER: CA09056 (NCI)

GM57559 (NIGMS)

SOURCE: Molecular and cellular biology, (2001 Nov) 21 (21) 7183-90. Journal code: 8109087. ISSN: 0270-7306.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200112

ENTRY DATE: Entered STN: 20011008

Last Updated on STN: 20020420

Entered Medline: 20011204

AB Vinblastine and other microtubule-damaging agents, such as nocodazole and paclitaxel, cause cell cycle arrest at the G2/M transition and promote apoptosis in eukaryotic cells. The roles of these drugs in disrupting microtubule dynamics and causing cell cycle arrest are well characterized. However, the mechanisms by which these agents promote apoptosis are poorly understood. We disrupted the MEKK1 kinase domain in chicken bursal B-cell line DT40 by homologous recombination and have shown that it is essential for both vinblastine-mediated apoptosis and vinblastine-mediated c-Jun N-terminal protein kinase activation. In addition, our data indicate that vinblastine-mediated apoptosis in DT40 cells requires new protein synthesis but does not require G2/M arrest, suggesting that vinblastine-mediated cell cycle arrest and apoptosis are two independent processes.

L7 ANSWER 9 OF 10 MEDLINE on STN DUPLICATE 6

ACCESSION NUMBER: 1999214163 MEDLINE

DOCUMENT NUMBER: PubMed ID: 10196170

TITLE: Differential involvement of MEK kinase 1 (MEKK1) in the induction of apoptosis in response to microtubule-targeted drugs versus DNA damaging agents.

AUTHOR: Gibson S; Widmann C; Johnson G L

CORPORATE SOURCE: Program in Molecular Signal Transduction, Division of Basic Sciences, National Jewish Medical and Research Center, Denver, Colorado, 80206, USA.

CONTRACT NUMBER: DK 37871 (NIDDK)

DK 48845 (NIDDK)

GM 30324 (NIGMS)

+

SOURCE: Journal of biological chemistry, (1999 Apr 16) 274 (16) 10916-22.

Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199905

ENTRY DATE: Entered STN: 19990601

Last Updated on STN: 20020420

Entered Medline: 19990517

AB MEK kinase 1 (MEKK1) is a 196-kDa enzyme that is involved in the regulation of the c-Jun N-terminal kinase (JNK) pathway and apoptosis. In cells exposed to genotoxic agents including

etoposide and cytosine arabinoside, MEKK1 is cleaved at Asp874 by caspases. The cleaved kinase domain of MEKK1, itself, stimulates caspase activity leading to apoptosis. Kinase-inactive MEKK1 expressed in HEK293 cells effectively blocks genotoxin-induced apoptosis. Treatment of cells with taxol, a microtubule stabilizing agent, did not induce MEKK1 cleavage in cells, and kinase-inactive MEKK1 expression failed to block taxol-induced apoptosis. MEKK1 became activated in HEK293 cells exposed to taxol, but in contrast to etoposide-treatment, taxol failed to increase JNK activity. Taxol treatment of cells, therefore, dissociates MEKK1 activation from the regulation of the JNK pathway. Overexpression of anti-apoptotic Bcl2 blocked MEKK1 and taxol-induced apoptosis but did not block the caspase-dependent cleavage of MEKK1 in response to etoposide. This indicates Bcl2 inhibition of apoptosis is, therefore, downstream of caspase-dependent MEKK1 cleavage. The results define the involvement of MEKK1 in the induction of apoptosis by genotoxins but not microtubule altering drugs.

L7 ANSWER 10 OF 10 MEDLINE on STN DUPLICATE 7  
 ACCESSION NUMBER: 1998055618 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 9395240  
 TITLE: Potentiation of apoptosis by low dose stress  
 stimuli in cells expressing activated MEK kinase 1.  
 AUTHOR: Widmann C; Johnson N L; Gardner A M; Smith R J; Johnson G L  
 CORPORATE SOURCE: Division of Basic Sciences, National Jewish Center for  
 Immunology and Respiratory Medicine, Denver, Colorado  
 80206, USA.  
 CONTRACT NUMBER: CA 58157 (NCI)  
 DK 37871 (NIDDK)  
 DK 48845 (NIDDK)

+  
 SOURCE: Oncogene, (1997 Nov 13) 15 (20) 2439-47.  
 Journal code: 8711562. ISSN: 0950-9232.  
 PUB. COUNTRY: ENGLAND: United Kingdom  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199712  
 ENTRY DATE: Entered STN: 19980116  
 Last Updated on STN: 20020420  
 Entered Medline: 19971229

AB MEK kinases (MEKKs) are serine-threonine kinases that regulate sequential protein phosphorylation pathways involving mitogen-activated protein kinases (MAPKs), including members of the Jun kinase (JNK) family. MEKK1 is a 196 kDa protein that when cleaved by caspase-3-like proteases generates an active COOH-terminal kinase domain. Expression of the MEKK1 kinase domain is sufficient to induce apoptosis. Mutation of MEKK1 to prevent its proteolytic cleavage protects cells from MEKK1-mediated cell death even though the JNK pathway is still activated, indicating that JNK activation is not sufficient to induce cell death. The inducible acute expression at modest levels of the activated MEKK1 kinase domain can be used to potentiate the apoptotic response to low dose ultraviolet irradiation and cisplatin. Similarly, in L929 fibrosarcoma cells inducible acute expression of the kinase domain of MEKK1 markedly increased the cell death response to tumor necrosis factor alpha (TNF alpha). The findings demonstrate that acute expression of an active form of MEKK1 can potentiate the cell death response to external stress stimuli. Manipulation of MEKK1 proteolysis and its regulation of signal pathways involved in apoptosis has significant potential for anticancer therapies when used in combination with therapeutic agents at doses that alone have little or modest effects on cell viability.

=> d his

(FILE 'HOME' ENTERED AT 16:57:43 ON 14 MAY 2004)

FILE 'MEDLINE, JAPIO, BIOSIS, SCISEARCH, WPIDS, CAPLUS, EMBASE' ENTERED  
 AT 16:57:54 ON 14 MAY 2004

L1 3 S MITOGEN ERK KINASE KINASE#  
 L2 1730 S MEKK1  
 L3 0 S L1 AND (APOPTOSIS OR CELL DEATH)  
 L4 0 S L2 AND L3  
 L5 531 S L2 AND APOPTOSIS  
 L6 36 S L5 AND (KINASE DOMAIN# OR REGULATORY DOMAIN#)  
 L7 10 DUP REM L6 (26 DUPLICATES REMOVED)

=> dup rem 15

PROCESSING COMPLETED FOR L5

L8 175 DUP REM L5 (356 DUPLICATES REMOVED)

=> d ibib 18 1-175



L8 ANSWER 1 OF 175 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN DUPLICATE 1  
 ACCESSION NUMBER: 2004-157120 [15] WPIDS Full-text  
 DOC. NO. CPI: C2004-062555  
 TITLE: Novel caspase recruitment domain 11 nucleic acid and the recombinant polypeptide, useful for identifying modulator of NFkappaB activating activity, and polypeptide that up-regulate activity of NFkappaB activity.  
 DERWENT CLASS: B04 D16  
 INVENTOR(S): GLYNNE, R J; GOODNOW, C C; JUN, J E  
 PATENT ASSIGNEE(S): (PHEN-N) PHENOMIX CORP; (PHEN-N) PHENOMIX INC  
 COUNTRY COUNT: 105  
 PATENT INFORMATION:

| PATENT NO  | KIND | DATE     | WEEK      | LA | PG  |
|--|------|----------|-----------|----|-----|
| WO 2004013302  | A2   | 20040212 | (200415)* | EN | 152 |
| RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS<br>LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW<br>W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK<br>DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR<br>KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH<br>PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC<br>VN YU ZA ZM ZW |      |          |           |    |     |
| US 2004072228  | A1   | 20040415 | (200426)  |    |     |

APPLICATION DETAILS:

| PATENT NO     | KIND           | APPLICATION     | DATE     |
|---------------|----------------|-----------------|----------|
| WO 2004013302 | A2             | WO 2003-US24331 | 20030801 |
| US 2004072228 | A1 Provisional | US 2002-401078P | 20020802 |
|               | Provisional    | US 2002-422614P | 20021029 |
|               |                | US 2003-632696  | 20030801 |

PRIORITY APPLN. INFO: US 2002-422614P 20021029; US  
 2002-401078P 20020802; US  
 2003-632696 20030801

L8 ANSWER 2 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2004:203538 CAPLUS Full-text  
 DOCUMENT NUMBER: 140:247104  
 TITLE: Method for treating neoplastic cells or an autoimmune disease using cycloprodigiosin or a salt thereof  
 INVENTOR(S): Kamata, Keiko; Hirata, Hajime; Ikegami, Yoshinari; Nakagawa, Kouji  
 PATENT ASSIGNEE(S): Japan  
 SOURCE: U.S. Pat. Appl. Publ., 19 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|---------------|------|----------|-----------------|----------|
| US 2004048791 | A1   | 20040311 | US 2002-237588  | 20020905 |

PRIORITY APPLN. INFO.: US 2002-237588 20020905

L8 ANSWER 3 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 2  
 ACCESSION NUMBER: 2004:142511 SCISEARCH Full-text  
 THE GENUINE ARTICLE: 768UW  
 TITLE: c-Jun-NH2 kinase (JNK) contributes to the regulation of c-Myc protein stability  
 AUTHOR: Alarcon-Vargas D; Ronai Z (Reprint)  
 CORPORATE SOURCE: CUNY Mt Sinai Sch Med, Ruttenberg Canc Ctr, New York, NY 10029 USA (Reprint)  
 COUNTRY OF AUTHOR: USA  
 SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (6 FEB 2004) Vol. 279, No. 6, pp. 5008-5016.  
 Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.  
 ISSN: 0021-9258.  
 DOCUMENT TYPE: Article; Journal

LANGUAGE: English  
REFERENCE COUNT: 44  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 4 OF 175 MEDLINE on STN DUPLICATE 3  
ACCESSION NUMBER: 2004047354 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 14600157  
TITLE: Fas-associated factor-1 inhibits nuclear factor-kappaB (NF-kappaB) activity by interfering with nuclear translocation of the RelA (p65) subunit of NF-kappaB.  
AUTHOR: Park Min-Young; Jang Hyun Duk; Lee Soo Young; Lee Kong-Joo; Kim Eunhee  
CORPORATE SOURCE: Research Center for Biomedicinal Resources and the Division of Life Science, PaiChai University, Daejeon 302-735, Korea.  
SOURCE: Journal of biological chemistry, (2004 Jan 23) 279 (4) 2544-9.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200404  
ENTRY DATE: Entered STN: 20040130  
Last Updated on STN: 20040424  
Entered Medline: 20040423

L8 ANSWER 5 OF 175 MEDLINE on STN DUPLICATE 4  
ACCESSION NUMBER: 2004034910 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 14734742  
TITLE: Regulation of c-Jun N-terminal kinase by MEKK-2 and mitogen-activated protein kinase kinase kinases in rheumatoid arthritis.  
AUTHOR: Hammaker Deepa R; Boyle David L; Chabaud-Riou Martine; Firestein Gary S  
CORPORATE SOURCE: Division of Rheumatology, Allergy and Immunology, University of California, San Diego School of Medicine, La Jolla, CA 92093, USA.  
CONTRACT NUMBER: AR47825 (NIAMS)  
T32 AR7608 (NIAMS)  
SOURCE: Journal of immunology (Baltimore, Md. : 1950), (2004 Feb 1) 172 (3) 1612-8.  
Journal code: 2985117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 200405  
ENTRY DATE: Entered STN: 20040122  
Last Updated on STN: 20040510  
Entered Medline: 20040507

L8 ANSWER 6 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2004:275335 SCISEARCH Full-text  
THE GENUINE ARTICLE: 803OL  
TITLE: Computational and experimental studies on human misshapen/NIK-related kinase MINK-1  
AUTHOR: Qu K B (Reprint); Lu Y M; Lin N; Singh R; Xu X; Payan D G; Xu D  
CORPORATE SOURCE: Rigel Pharmaceut Inc, 1180 Vet Blvd, San Francisco, CA 94080 USA (Reprint); Rigel Pharmaceut Inc, San Francisco, CA 94080 USA; Genentech Inc, San Francisco, CA 94080 USA; Univ Missouri, Dept Comp Sci, Digital Biol Lab, Columbia, MO 65211 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: CURRENT MEDICINAL CHEMISTRY, (MAR 2004) Vol. 11, No. 5, pp. 569-582.  
Publisher: BENTHAM SCIENCE PUBL LTD, PO BOX 1673, 1200 BR HILVERSUM, NETHERLANDS.  
ISSN: 0929-8673.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 38  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 7 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 2004:238613 SCISEARCH Full-text

THE GENUINE ARTICLE: 780LQ

TITLE: Glucocorticoids selectively inhibit paclitaxel-induced apoptosis: Mechanisms and its clinical impact

AUTHOR: Fan W M (Reprint); Sui M H; Huang Y

CORPORATE SOURCE: Med Univ S Carolina, Dept Pathol & Lab, 165 Ashley Ave, Charleston, SC 29425 USA (Reprint); Med Univ S Carolina, Dept Pathol & Lab, Charleston, SC 29425 USA

COUNTRY OF AUTHOR: USA

SOURCE: CURRENT MEDICINAL CHEMISTRY, (FEB 2004) Vol. 11, No. 4, pp. 403-411.  
Publisher: BENTHAM SCIENCE PUBL LTD, PO BOX 1673, 1200 BR HILVERSUM, NETHERLANDS.  
ISSN: 0929-8673.

DOCUMENT TYPE: General Review; Journal

LANGUAGE: English

REFERENCE COUNT: 59

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 8 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2004:155860 BIOSIS Full-text

DOCUMENT NUMBER: PREV200400157032

TITLE: JNK suppresses apoptosis via phosphorylation of the proapoptotic Bcl-2 family protein BAD.

AUTHOR(S): Yu, Chenfei; Minemoto, Yuzuru; Zhang, Jiyan; Liu, Jing; Tang, Fangming; Bui, Truc N.; Xiang, Jialing [Reprint Author]; Lin, Anning

CORPORATE SOURCE: Department of Biological, Chemical, and Physical Science, Illinois Institute of Technology, Chicago, IL, 60616, USA  
xiang@iit.edu; alin@huggins.bsd.uchicago.edu

SOURCE: Molecular Cell, (February 13 2004) Vol. 13, No. 3, pp. 329-340. print.

ISSN: 1097-2765 (ISSN print).

DOCUMENT TYPE: Article

LANGUAGE: English

ENTRY DATE: Entered STN: 17 Mar 2004

Last Updated on STN: 17 Mar 2004

L8 ANSWER 9 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 2004:304856 SCISEARCH Full-text

THE GENUINE ARTICLE: 807XT

TITLE: Differential binding of ceramide to MEKK1 in glomerular endothelial and mesangial cells

AUTHOR: Huwiler A; Xin C Y; Brust A K; Briner V A; Pfeilschifter J (Reprint)

CORPORATE SOURCE: Univ Frankfurt Klinikum, Pharmazentrum Frankfurt, Theodor Stern Kai 7, D-60590 Frankfurt, Germany (Reprint); Univ Frankfurt Klinikum, Pharmazentrum Frankfurt, D-60590 Frankfurt, Germany; Kantonsspital Luzern, Luzern, Switzerland

COUNTRY OF AUTHOR: Germany; Switzerland

SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR AND CELL BIOLOGY OF LIPIDS, (22 MAR 2004) Vol. 1636, No. 2-3, pp. 159-168.  
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS.  
ISSN: 1388-1981.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 56

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 10 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:288702 CAPLUS Full-text

DOCUMENT NUMBER: 140:268067

TITLE: Differential binding of ceramide to MEKK1 in glomerular endothelial and mesangial cells

AUTHOR(S): Huwiler, Andrea; Xin, Cuiyan; Brust, Anja-Kristina; Briner, Verena A.; Pfeilschifter, Josef

CORPORATE SOURCE: Pharmazentrum Frankfurt, Klinikum der Johann Wolfgang Goethe-Universitaet, Frankfurt am Main, D-60590, Germany

SOURCE: Biochimica et Biophysica Acta (2004), 1636(2-3), 159-168

CODEN: BBACAQ; ISSN: 0006-3002

PUBLISHER: Elsevier Science B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 11 OF 175 MEDLINE on STN DUPLICATE 5  
ACCESSION NUMBER: 2004178525 IN-PROCESS Full-text  
DOCUMENT NUMBER: PubMed ID: 15072767  
TITLE: Subcellular targeting regulates the function of  
caspase-activated protein kinases in apoptosis.  
AUTHOR: Jakobi Rolf  
CORPORATE SOURCE: Department of Biochemistry, The University of Health  
Sciences, 1750 Independence Avenue, Kansas City, MO 64106,  
USA.. rjakobi@uhs.edu  
SOURCE: Drug resistance updates : reviews and commentaries in  
antimicrobial and anticancer chemotherapy, (2004 Feb) 7 (1)  
11-7.  
Journal code: 9815369. ISSN: 1368-7646.  
PUB. COUNTRY: Scotland: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals  
ENTRY DATE: Entered STN: 20040410  
Last Updated on STN: 20040505

L8 ANSWER 12 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2003:356185 CAPLUS Full-text  
DOCUMENT NUMBER: 138:362677  
TITLE: TGF- $\beta$ -associated-kinase 1 (16319) as modulator of  
hematological disorders and uses in screening drugs  
for hematological disorders  
INVENTOR(S): Carroll, Joseph M.  
PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., USA  
SOURCE: PCT Int. Appl., 80 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 8  
PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 2003037255   | A2   | 20030508 | WO 2002-US34568 | 20021028 |
| WO 2003037255   | A3   | 20040122 |                 |          |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,<br>CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,<br>GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,<br>LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,<br>PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,<br>UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,<br>TJ, TM |      |          |                 |          |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,<br>CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,<br>PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,<br>NE, SN, TD, TG   |      |          |                 |          |

PRIORITY APPLN. INFO.: US 2001-335044P P 20011031

L8 ANSWER 13 OF 175 MEDLINE on STN DUPLICATE 6  
ACCESSION NUMBER: 2003563302 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 12963725  
TITLE: p57KIP2 modulates stress-activated signaling by inhibiting  
c-Jun NH2-terminal kinase/stress-activated protein Kinase.  
AUTHOR: Chang Tong-Shin; Kim Myung Jin; Ryoo Kanghyun; Park Jihyun;  
Bom Soo-Jung; Shim Jaekyung; Nakayama Keiichi I; Nakayama  
Keiko; Tomita Motowo; Takahashi Katsuhiko; Lee Min-Jae;  
Choi Eui-Ju  
CORPORATE SOURCE: National Creative Research Initiative Center for Cell  
Death, School of Life Sciences and Biotechnology, Korea  
University, Seoul 136-701, Korea.  
SOURCE: Journal of biological chemistry, (2003 Nov 28) 278 (48)  
48092-8.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200401  
ENTRY DATE: Entered STN: 20031216  
Last Updated on STN: 20040113  
Entered Medline: 20040112

L8 ANSWER 14 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2003:476183 SCISEARCH Full-text  
THE GENUINE ARTICLE: 682EH  
TITLE: Shear flow attenuates serum-induced STAT3 activation in endothelial cells  
AUTHOR: Ni C W; Hsieh H J; Chao Y J; Wang D L (Reprint)  
CORPORATE SOURCE: Acad Sinica, Inst Biomed Sci, Div Cardiovasc, Taipei 11529, Taiwan (Reprint)  
COUNTRY OF AUTHOR: Taiwan  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (30 MAY 2003) Vol. 278, No. 22, pp. 19702-19708.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.  
ISSN: 0021-9258.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 49  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 15 OF 175 MEDLINE on STN DUPLICATE 7  
ACCESSION NUMBER: 2003173816 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 12584189  
TITLE: Glycogen synthase kinase 3 beta is a natural activator of mitogen-activated protein kinase/extracellular signal-regulated kinase kinase 1 (MEKK1).  
AUTHOR: Kim Jin Woo; Lee Ji Eun; Kim Myung Jin; Cho Eun-Gyung; Cho Ssang-Goo; Choi Eui-Ju  
CORPORATE SOURCE: National Creative Research Initiative Center for Cell Death, Graduate School of Life Science and Biotechnology, Korea University, Seoul 136-701, Korea.  
SOURCE: Journal of biological chemistry, (2003 Apr 18) 278 (16) 13995-4001.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200305  
ENTRY DATE: Entered STN: 20030416  
Last Updated on STN: 20030523  
Entered Medline: 20030522

L8 ANSWER 16 OF 175 MEDLINE on STN DUPLICATE 8  
ACCESSION NUMBER: 2003534168 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 14612408  
TITLE: Mitogenic effect of orphan receptor TR3 and its regulation by MEKK1 in lung cancer cells.  
AUTHOR: Kolluri Siva Kumar; Bruey-Sedano Nathalie; Cao Xihua; Lin Bingzhen; Lin Feng; Han Young-Hoon; Dawson Marcia I; Zhang Xiao-kun  
CORPORATE SOURCE: Cancer Center, The Burnham Institute, La Jolla, California 92037, USA.  
CONTRACT NUMBER: CA60988 (NCI)  
CA87000 (NCI)  
P01 CA51993 (NCI)  
SOURCE: Molecular and cellular biology, (2003 Dec) 23 (23) 8651-67.  
Journal code: 8109087. ISSN: 0270-7306.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200312  
ENTRY DATE: Entered STN: 20031113  
Last Updated on STN: 20031217  
Entered Medline: 20031216

L8 ANSWER 17 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2003:912128 CAPLUS Full-text

DOCUMENT NUMBER: 140:53686  
 TITLE: Acetylation of androgen receptor enhances coactivator binding and promotes prostate cancer cell growth  
 AUTHOR(S): Fu, Maofu; Rao, Mahadev; Wang, Chenguang; Sakamaki, Toshiyuki; Wang, Jian; Di Vizio, Dolores; Zhang, Xueping; Albanese, Chris; Balk, Steven; Chang, Chawnshang; Fan, Saijun; Rosen, Eliot; Palvimo, Jorma J.; Jaenne, Olli A.; Muratoglu, Selen; Avantiaggiati, Maria Laura; Pestell, Richard G.  
 CORPORATE SOURCE: Department of Oncology, Lombardi Cancer Center, Georgetown University, Washington, DC, 20057, USA  
 SOURCE: Molecular and Cellular Biology (2003), 23(23), 8563-8575  
 CODEN: MCEBD4; ISSN: 0270-7306  
 PUBLISHER: American Society for Microbiology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 18 OF 175 MEDLINE on STN DUPLICATE 9  
 ACCESSION NUMBER: 2003510041 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 14586403  
 TITLE: MEK kinase 1 mediates the antiapoptotic effect of the Bcr-Abl oncogene through NF-kappaB activation.  
 AUTHOR: Nawata Ryouhei; Yujiri Toshiaki; Nakamura Yukinori; Ariyoshi Koichi; Takahashi Toru; Sato Yutaka; Oka Yoshitomo; Tanizawa Yukio  
 CORPORATE SOURCE: Department of Bio-Signal Analysis, Yamaguchi University Graduate School of Medicine, 1-1-1 Minami Kogushi, Ube, Yamaguchi 755-8505, Japan.  
 SOURCE: Oncogene, (2003 Oct 30) 22 (49) 7774-80.  
 Journal code: 8711562. ISSN: 0950-9232.  
 PUB. COUNTRY: England; United Kingdom  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 OTHER SOURCE: GENBANK-U88908; GENBANK-U88909  
 ENTRY MONTH: 200312  
 ENTRY DATE: Entered STN: 20031031  
 Last Updated on STN: 20031219  
 Entered Medline: 20031203

L8 ANSWER 19 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2003:917630 CAPLUS Full-text  
 DOCUMENT NUMBER: 140:57829  
 TITLE: Inhibitor of Nuclear Factor kB Kinase Deficiency Enhances Oxidative Stress and Prolongs c-Jun NH2-Terminal Kinase Activation Induced by Arsenic  
 AUTHOR(S): Chen, Fei; Castranova, Vince; Li, Zhiwei; Karin, Michael; Shi, Xianglin  
 CORPORATE SOURCE: Health Effects Laboratory Division, National Institute for Occupational Safety and Health, Morgantown, WV, USA  
 SOURCE: Cancer Research (2003), 63(22), 7689-7693  
 CODEN: CNREA8; ISSN: 0008-5472  
 PUBLISHER: American Association for Cancer Research  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 20 OF 175 MEDLINE on STN DUPLICATE 10  
 ACCESSION NUMBER: 2003304630 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 12832543  
 TITLE: Expression of the activating transcription factor 3 prevents c-Jun N-terminal kinase-induced neuronal death by promoting heat shock protein 27 expression and Akt activation.  
 AUTHOR: Nakagomi Saya; Suzuki Yasuhiro; Namikawa Kazuhiko; Kiryu-Seo Sumiko; Kiyama Hiroshi  
 CORPORATE SOURCE: Department of Anatomy and Neurobiology, Osaka City University, Graduate School of Medicine, Osaka 545-8585, Japan.  
 SOURCE: Journal of neuroscience : official journal of the Society

for Neuroscience, (2003 Jun 15) 23 (12) 5187-96.  
Journal code: 8102140. ISSN: 1529-2401.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200308  
ENTRY DATE: Entered STN: 20030701  
Last Updated on STN: 20030806  
Entered Medline: 20030805

L8 ANSWER 21 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2003:586173 SCISEARCH Full-text  
THE GENUINE ARTICLE: 696MY  
TITLE: Expression of the activating transcription factor 3  
prevents c-Jun N-terminal kinase-induced neuronal death by  
promoting heat shock protein 27 expression and Akt  
activation  
AUTHOR: Nakagomi S; Suzuki Y; Namikawa K; Kiryu-Seo S; Kiyama H  
(Reprint)  
CORPORATE SOURCE: Osaka City Univ, Dept Anat, Grad Sch Med, Abeno Ku, 1-4-3  
Asahimachi, Osaka 5458585, Japan (Reprint); Osaka City  
Univ, Dept Anat, Grad Sch Med, Abeno Ku, Osaka 5458585,  
Japan; Asahikawa Med Coll, Dept Med 1, Asahikawa, Hokkaido  
0788510, Japan  
COUNTRY OF AUTHOR: Japan  
SOURCE: JOURNAL OF NEUROSCIENCE, (15 JUN 2003) Vol. 23, No. 12,  
pp. 5187-5196.  
Publisher: SOC NEUROSCIENCE, 11 DUPONT CIRCLE, NW, STE  
500, WASHINGTON, DC 20036 USA.  
ISSN: 0270-6474.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 46  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 22 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE  
11  
ACCESSION NUMBER: 2003:640158 SCISEARCH Full-text  
THE GENUINE ARTICLE: 701FF  
TITLE: Selective activation of the c-Jun N-terminal kinase (JNK)  
pathway fails to elicit Bax activation or  
apoptosis unless the phosphoinositide 3'-kinase  
(PI3K) pathway is inhibited  
AUTHOR: Molton S A; Todd D E; Cook S J (Reprint)  
CORPORATE SOURCE: Babraham Inst, Signalling Programme, Inositide Lab,  
Cambridge CB2 4AT, England (Reprint)  
COUNTRY OF AUTHOR: England  
SOURCE: ONCOGENE, (24 JUL 2003) Vol. 22, No. 30, pp. 4690-4701.  
Publisher: NATURE PUBLISHING GROUP, MACMILLAN BUILDING, 4  
CRINAN ST, LONDON N1 9XW, ENGLAND.  
ISSN: 0950-9232.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 62  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 23 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2003:775597 SCISEARCH Full-text  
THE GENUINE ARTICLE: 718LP  
TITLE: JNK-interacting protein 3 associates with Toll-like  
receptor 4 and is involved in LPS-mediated JNK activation  
AUTHOR: Matsuguchi T (Reprint); Masuda A; Sugimoto K; Nagai Y;  
Yoshikai Y  
CORPORATE SOURCE: Nagoya Univ, Grad Sch Med, Ctr Neural Dis & Canc, Div Host  
Def, Nagoya, Aichi, Japan (Reprint); Toyama Inst Hlth,  
Toyama, Japan; Kyushu Univ, Med Inst Bioregulat, Res Ctr  
Prevent Infect Dis, Div Hosp Def, Fukuoka 812, Japan  
COUNTRY OF AUTHOR: Japan  
SOURCE: EMBO JOURNAL, (1 SEP 2003) Vol. 22, No. 17, pp. 4455-4464.  
Publisher: OXFORD UNIV PRESS, GREAT CLARENDON ST, OXFORD  
OX2 6DP, ENGLAND.  
ISSN: 0261-4189.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English

REFERENCE COUNT: 53

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 24 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
DUPLICATE 12

ACCESSION NUMBER: 2004:105575 BIOSIS Full-text  
DOCUMENT NUMBER: PREV200400107814  
TITLE: Interactions between p38 mitogen-activated protein kinase  
and caspase-3 in cerebral endothelial cell death after  
hypoxia-reoxygenation.  
AUTHOR(S): Lee, Sun-Ryung; Lo, Eng H. [Reprint Author]  
CORPORATE SOURCE: Neuroprotection Research Laboratory, Departments of  
Neurology and Radiology, Harvard Medical School, MGH East  
149-2401, Charlestown, MA, 02129, USA  
Lo@helix.mgh.harvard.edu  
SOURCE: Stroke, (November 2003) Vol. 34, No. 11, pp. 2704-2709.  
print.  
ISSN: 0039-2499 (ISSN print).  
DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 25 Feb 2004  
Last Updated on STN: 25 Feb 2004

L8 ANSWER 25 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 2003:96724 SCISEARCH Full-text  
THE GENUINE ARTICLE: 636NK  
TITLE: Ubiquitylation of MEKK1 inhibits its  
phosphorylation of MKK1 and MKK4 and activation of the  
ERK1/2 and JNK pathways  
AUTHOR: Witowsky J A; Johnson G L (Reprint)  
CORPORATE SOURCE: Univ Colorado, Hlth Sci Ctr, Dept Pharmacol, 4200 E 9th  
Ave, Rm 2809, SOM, Denver, CO 80262 USA (Reprint); Univ  
Colorado, Hlth Sci Ctr, Dept Pharmacol, Denver, CO 80262  
USA; Univ Colorado, Ctr Canc, Denver, CO 80262 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (17 JAN 2003) Vol. 278,  
No. 3, pp. 1403-1406.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.  
ISSN: 0021-9258.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 23

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 26 OF 175 MEDLINE on STN DUPLICATE 13

ACCESSION NUMBER: 2003240905 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 12764057  
TITLE: TNF-induced death of adult human oligodendrocytes is  
mediated by c-jun NH2-terminal kinase-3.  
AUTHOR: Jurewicz Anna; Matysiak Mariola; Tybor Krzysztof; Selmaj  
Krzysztof  
CORPORATE SOURCE: Department of Neurology, Medical University of Lodz, Lodz,  
Poland.  
SOURCE: Brain; a journal of neurology, (2003 Jun) 126 (Pt 6)  
1358-70.  
Journal code: 0372537. ISSN: 0006-8950.  
PUB. COUNTRY: England; United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 200307  
ENTRY DATE: Entered STN: 20030524  
Last Updated on STN: 20030702  
Entered Medline: 20030701

L8 ANSWER 27 OF 175 MEDLINE on STN DUPLICATE 14

ACCESSION NUMBER: 2003422898 IN-PROCESS Full-text  
DOCUMENT NUMBER: PubMed ID: 12963995  
TITLE: Survival regulation in pancreatic cancer cells by c-Jun.  
AUTHOR: Okutomi Yoshiyuki; Shino Yuji; Komoda Fumitake; Hirano  
Tatsuya; Ishihara Takeshi; Yamaguchi Taketo; Saisho  
Hiromitsu; Shirasawa Hiroshi  
CORPORATE SOURCE: Department of Medicine and Clinical Oncology (K1), Graduate  
School of Medicine, Chiba University, Chiba 260-8670,



Japan.  
SOURCE: International journal of oncology, (2003 Oct) 23 (4)  
1127-34.  
Journal code: 9306042. ISSN: 1019-6439.  
PUB. COUNTRY: Greece  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals  
ENTRY DATE: Entered STN: 20030910  
Last Updated on STN: 20031218

L8 ANSWER 28 OF 175 MEDLINE on STN DUPLICATE 15  
ACCESSION NUMBER: 2003446483 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 12736137  
TITLE: G alpha 13-mediated transformation and apoptosis  
are permissively dependent on basal ERK activity.  
AUTHOR: Adarichev Vyacheslav A; Vaiskunaite Rita; Niu Jiaxin;  
Balyasnikova Irina V; Voyno-Yasenetskaya Tatyana A  
CORPORATE SOURCE: Department of Pharmacology, University of Illinois,  
Chicago, IL 60612, USA.  
CONTRACT NUMBER: GM-56159 (NIGMS)  
SOURCE: American journal of physiology. Cell physiology, (2003 Oct)  
285 (4) C922-34.  
Journal code: 100901225. ISSN: 0363-6143.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200310  
ENTRY DATE: Entered STN: 20030926  
Last Updated on STN: 20031024  
Entered Medline: 20031023

L8 ANSWER 29 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
ACCESSION NUMBER: 2004:155045 BIOSIS Full-text  
DOCUMENT NUMBER: PREV200400148512  
TITLE: MEK kinase 1 mediates the antiapoptotic effect of the  
Bcr-Abl oncogene through NF-kappaB activation.  
AUTHOR(S): Nawata, Ryouhei [Reprint Author]; Yujiri, Toshiaki [Reprint  
Author]; Nakamura, Yukinori [Reprint Author]; Ariyoshi,  
Koichi [Reprint Author]; Takahashi, Toru [Reprint Author];  
Tagami, Kozo [Reprint Author]; Sato, Yutaka [Reprint  
Author]; Tanizawa, Yukio [Reprint Author]  
CORPORATE SOURCE: Bio-Signal Analysis, Graduate School of Medicine, Yamaguchi  
University, Ube, Yamaguchi, Japan  
SOURCE: Blood, (November 16 2003) Vol. 102, No. 11, pp. 857a.  
print.  
Meeting Info.: 45th Annual Meeting of the American Society  
of Hematology. San Diego, CA, USA. December 06-09, 2003.  
American Society of Hematology.  
CODEN: BLOOAW. ISSN: 0006-4971.  
DOCUMENT TYPE: Conference; (Meeting)  
Conference; (Meeting Poster)  
Conference; Abstract; (Meeting Abstract)  
LANGUAGE: English  
ENTRY DATE: Entered STN: 17 Mar 2004  
Last Updated on STN: 17 Mar 2004

L8 ANSWER 30 OF 175 MEDLINE on STN DUPLICATE 16  
ACCESSION NUMBER: 2003548723 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 14627958  
TITLE: MEK kinase 1 regulates c-Jun phosphorylation in the control  
of corneal morphogenesis.  
AUTHOR: Zhang Lin; Deng Maoxian; Kao Candace W C; Kao Winston W Y;  
Xia Ying  
CORPORATE SOURCE: Center for Environmental Genetics and Department of  
Environmental Health, University of Cincinnati Medical  
Center, Cincinnati, OH 45267-0056, USA.  
CONTRACT NUMBER: EY 11845 (NEI)  
EY015227 (NEI)  
EY13755 (NEI)  
P30 ES06096 (NIEHS)  
SOURCE: Molecular vision [electronic resource], (2003 Nov 3) 9  
584-93.

Journal code: 9605351. ISSN: 1090-0535.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200312  
 ENTRY DATE: Entered STN: 20031121  
 Last Updated on STN: 20031216  
 Entered Medline: 20031215

L8 ANSWER 31 OF 175 MEDLINE on STN DUPLICATE 17  
 ACCESSION NUMBER: 2003247372 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 12769772  
 TITLE: Implication of raft microdomains in drug induced apoptosis.  
 AUTHOR: Bezombes Christine; Laurent Guy; Jaffrezou Jean-Pierre  
 CORPORATE SOURCE: INSERM U563-CPTP, Institut Claudius Regaud, 20 rue du Pont St Pierre 31052, Toulouse, France.  
 SOURCE: Current medicinal chemistry. Anti-cancer agents, (2003 Jul) 3 (4) 263-70. Ref: 112  
 Journal code: 101123597. ISSN: 1568-0118.  
 PUB. COUNTRY: Netherlands  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 General Review; (REVIEW)  
 (REVIEW, TUTORIAL)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200308  
 ENTRY DATE: Entered STN: 20030529  
 Last Updated on STN: 20030821  
 Entered Medline: 20030820

L8 ANSWER 32 OF 175 MEDLINE on STN DUPLICATE 18  
 ACCESSION NUMBER: 2003440416 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 14499626  
 TITLE: Defective stress kinase and Bak activation in response to ionizing radiation but not cisplatin in a non-small cell lung carcinoma cell line.  
 AUTHOR: Viktorsson Kristina; Ekedahl Jessica; Lindebro Maria C; Lewensohn Rolf; Zhivotovsky Boris; Linder Stig; Shoshan Maria C  
 CORPORATE SOURCE: Cancer Center Karolinska, Department of Oncology-Pathology, Karolinska Institute, S-171 76 Stockholm, Sweden.  
 SOURCE: Experimental cell research, (2003 Oct 1) 289 (2) 256-64.  
 Journal code: 0373226. ISSN: 0014-4827.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200311  
 ENTRY DATE: Entered STN: 20030923  
 Last Updated on STN: 20031106  
 Entered Medline: 20031105

L8 ANSWER 33 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
 ACCESSION NUMBER: 2003:237915 SCISEARCH Full-text  
 THE GENUINE ARTICLE: 653VH  
 TITLE: An LKB1-interacting protein negatively regulates TNF alpha-induced NF-kappa B activation  
 AUTHOR: Liu W K; Chien C Y; Chou C K; Su J Y (Reprint)  
 CORPORATE SOURCE: Natl Yang Ming Univ, Dept Life Sci, Peitou, Taipei 112, Taiwan (Reprint); Natl Yang Ming Univ, Dept Life Sci, Taipei 112, Taiwan; Natl Yang Ming Univ, Inst Microbiol & Immunol, Taipei 112, Taiwan; Vet Gen Hosp, Dept Educ & Res, Taipei, Taiwan  
 COUNTRY OF AUTHOR: Taiwan  
 SOURCE: JOURNAL OF BIOMEDICAL SCIENCE, (MAR-APR 2003) Vol. 10, No. 2, pp. 242-252.  
 Publisher: KARGER, ALLSCHWILERSTRASSE 10, CH-4009 BASEL, SWITZERLAND.  
 ISSN: 1021-7770.  
 DOCUMENT TYPE: Article; Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 41

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 34 OF 175 MEDLINE on STN DUPLICATE 19  
 ACCESSION NUMBER: 2003056106 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 12565821  
 TITLE: The kinase domain of MEKK1 induces apoptosis by dysregulation of MAP kinase pathways.  
 AUTHOR: Boldt Simone; Weidle Ulrich H; Kolch Walter  
 CORPORATE SOURCE: Beatson Institute for Cancer Research, Cancer Research UK, Garscube Estate, Switchback Road, Bearsden, Glasgow G61 1BD, UK.. sboldt@beatson.gla.ac.uk  
 SOURCE: Experimental cell research, (2003 Feb 1) 283 (1) 80-90. Journal code: 0373226. ISSN: 0014-4827.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200303  
 ENTRY DATE: Entered STN: 20030205  
 Last Updated on STN: 20030313  
 Entered Medline: 20030312

L8 ANSWER 35 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2002:920768 CAPLUS Full-text  
 DOCUMENT NUMBER: 138:182723  
 TITLE: Regulation of mekk1 and stat3 signaling pathways in growth control  
 AUTHOR(S): Bild, Andrea Hope  
 CORPORATE SOURCE: Health Sciences Center, Univ. of Colorado, Denver, CO, USA  
 SOURCE: (2002) 96 pp. Avail.: UMI, Order No. DA3045745  
 From: Diss. Abstr. Int., B 2002, 63(3), 1340  
 DOCUMENT TYPE: Dissertation  
 LANGUAGE: English

L8 ANSWER 36 OF 175 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN  
 ACCESSION NUMBER: 2002-722537 [78] WPIDS Full-text  
 CROSS REFERENCE: 2000-037089 [03]  
 DOC. NO. NON-CPI: N2002-569749  
 DOC. NO. CPI: C2002-204400  
 TITLE: Limiting infection by an immunodeficiency virus, particularly human immunodeficiency virus, involves inhibiting an immunodeficiency virus protein which regulates apoptosis in T cells.  
 DERWENT CLASS: B04 D16 S03  
 INVENTOR(S): CASELLA, C; FINKEL, T H  
 PATENT ASSIGNEE(S): (NAJE-N) NAT JEWISH MEDICAL & RES CENT  
 COUNTRY COUNT: 1  
 PATENT INFORMATION:

| PATENT NO     | KIND | DATE     | WEEK      | LA | PG |
|---------------|------|----------|-----------|----|----|
| US 2002091073 | A1   | 20020711 | (200278)* |    | 13 |

APPLICATION DETAILS:

| PATENT NO     | KIND           | APPLICATION    | DATE     |
|---------------|----------------|----------------|----------|
| US 2002091073 | A1 Provisional | US 1995-9460P  | 19951229 |
|               | Cont of        | US 1996-774269 | 19961227 |
|               | Cont of        | US 1999-389944 | 19990903 |
|               |                | US 2001-881573 | 20010613 |

PRIORITY APPLN. INFO: US 1995-9460P 19951229; US  
 1996-774269 19961227; US  
 1999-389944 19990903; US  
 2001-881573 20010613

L8 ANSWER 37 OF 175 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN  
 ACCESSION NUMBER: 2002-462905 [49] WPIDS Full-text  
 CROSS REFERENCE: 1999-508649 [42]; 1999-571843 [48]  
 DOC. NO. NON-CPI: N2002-365016  
 DOC. NO. CPI: C2002-131442  
 TITLE: New isolated protease resistant mitogen-activated protein kinase kinase kinase1 protein used for inhibiting

apoptosis and treating diseases, such as, cancer,  
autoimmune diseases, allergic reactions, and  
inflammation.

DERWENT CLASS: B04 D16 S03  
INVENTOR(S): JOHNSON, G L  
PATENT ASSIGNEE(S): (NAJE-N) NAT JEWISH CENT IMMUNOLOGY & RESPIRATORY  
COUNTRY COUNT: 1  
PATENT INFORMATION:

| PATENT NO     | KIND | DATE     | WEEK      | LA | PG |
|---------------|------|----------|-----------|----|----|
| US 2002055130 | A1   | 20020509 | (200249)* |    | 97 |

APPLICATION DETAILS:

| PATENT NO     | KIND           | APPLICATION    | DATE     |
|---------------|----------------|----------------|----------|
| US 2002055130 | A1 Provisional | US 1997-39740P | 19970214 |
|               | Cont of        | US 1998-23130  | 19980213 |
|               |                | US 2001-858754 | 20010516 |

PRIORITY APPLN. INFO: US 1997-39740P 19970214; US  
1998-23130 19980213; US  
2001-858754 20010516

L8 ANSWER 38 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:10730 CAPLUS Full-text

DOCUMENT NUMBER: 136:49326

TITLE: Diagnosis of diseases associated with the immune  
system using oligomer probes to detect cytosine  
methylation state

INVENTOR(S): Olek, Alexander; Piepenbrock, Christian; Berlin, Kurt

PATENT ASSIGNEE(S): Epigenomics A.-G., Germany

SOURCE: PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 68

PATENT INFORMATION:

| PATENT NO.    | KIND   | DATE     | APPLICATION NO.  | DATE     |
|---------------|--|----------|------------------|----------|
| WO 2002000928 | A2   | 20020103 | WO 2001-EP7537   | 20010702 |
| WO 2002000928 | A3   | 20020801 |                  |          |
| W:            | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |          |                  |          |
| RW:           | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG   |          |                  |          |
| DE 10032529   | A1   | 20020207 | DE 2000-10032529 | 20000630 |
| EP 1274865    | A2   | 20030115 | EP 2001-953936   | 20010406 |
| R:            | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR   |          |                  |          |
| JP 2003531589 | T2   | 20031028 | JP 2001-575634   | 20010406 |
| EP 1360319    | A2   | 20031112 | EP 2001-955278   | 20010406 |
| R:            | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR   |          |                  |          |
| DE 20121961   | U1   | 20040129 | DE 2001-20121961 | 20010629 |
| DE 20121971   | U1   | 20040205 | DE 2001-20121971 | 20010629 |
| DE 20121979   | U1   | 20040205 | DE 2001-20121979 | 20010629 |
| EP 1294951    | A2   | 20030326 | EP 2001-967115   | 20010702 |
| R:            | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR   |          |                  |          |
| DE 20121966   | U1   | 20031224 | DE 2001-20121966 | 20010702 |
| DE 20121963   | U1   | 20040129 | DE 2001-20121963 | 20010702 |
| DE 20121967   | U1   | 20040129 | DE 2001-20121967 | 20010702 |
| DE 20121975   | U1   | 20040219 | DE 2001-20121975 | 20010702 |
| DE 20121978   | U1   | 20040219 | DE 2001-20121978 | 20010702 |
| US 2003143606 | A1   | 20030731 | US 2002-311455   | 20021216 |
| US 2004067491 | A1   | 20040408 | US 2003-240454   | 20030311 |

|               |    |          |                |          |
|---------------|----|----------|----------------|----------|
| US 2003162194 | A1 | 20030828 | US 2003-240452 | 20030414 |
| JP 2004008217 | A2 | 20040115 | JP 2003-160375 | 20030605 |
| US 2004023279 | A1 | 20040205 | US 2003-455212 | 20030605 |

PRIORITY APPLN. INFO.:

|                  |   |          |
|------------------|---|----------|
| DE 2000-10032529 | A | 20000630 |
| DE 2000-10043826 | A | 20000901 |
| DE 2000-10019058 | A | 20000406 |
| DE 2000-10019173 | A | 20000407 |
| WO 2001-EP3969   | W | 20010406 |
| WO 2001-EP4016   | W | 20010406 |
| EP 2001-967115   | A | 20010702 |
| WO 2001-EP7537   | W | 20010702 |
| EP 2002-90203    | A | 20020605 |

L8 ANSWER 39 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
 ACCESSION NUMBER: 2003:35393 SCISEARCH Full-text  
 THE GENUINE ARTICLE: 624YK  
 TITLE: Activation of SAPK/JNK signaling by protein kinase C delta  
 in response to DNA damage  
 AUTHOR: Yoshida K; Miki Y; Kufe D (Reprint)  
 CORPORATE SOURCE: Harvard Univ, Sch Med, Dana Farber Canc Inst, 44 Binney  
 St, Boston, MA 02115 USA (Reprint); Harvard Univ, Sch Med,  
 Dana Farber Canc Inst, Boston, MA 02115 USA; Tokyo Med &  
 Dent Univ, Med Res Inst, Dept Mol Genet, Tokyo 1138510,  
 Japan  
 COUNTRY OF AUTHOR: USA; Japan  
 SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (13 DEC 2002) Vol. 277,  
 No. 50, pp. 48372-48378.  
 Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.  
 ISSN: 0021-9258.  
 DOCUMENT TYPE: Article; Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 46  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 40 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2002:863505 CAPLUS Full-text  
 DOCUMENT NUMBER: 138:268826  
 TITLE: Evidence of Functional Modulation of the MEKK/JNK/cJun  
 Signaling Cascade by the Low Density Lipoprotein  
 Receptor-related Protein (LRP)  
 AUTHOR(S): Lutz, Christina; Nimpf, Johannes; Jenny, Marcel;  
 Boecklinger, Karl; Enzinger, Christiane; Utermann,  
 Gerd; Baier-Bitterlich, Gabriele; Baier, Gottfried  
 CORPORATE SOURCE: Institute for Medical Biology and Human Genetics,  
 University and Biocenter of Vienna, Vienna, A1030,  
 Austria  
 SOURCE: Journal of Biological Chemistry (2002), 277(45),  
 43143-43151  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PUBLISHER: American Society for Biochemistry and Molecular  
 Biology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 41 OF 175 MEDLINE on STN DUPLICATE 20  
 ACCESSION NUMBER: 2002640757 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 12186863  
 TITLE: A role for protein phosphatase-2A in p38 mitogen-activated  
 protein kinase-mediated regulation of the c-Jun  
 NH(2)-terminal kinase pathway in human neutrophils.  
 AUTHOR: Avdi Natalie J; Malcolm Kenneth C; Nick Jerry A; Worthen G  
 Scott  
 CORPORATE SOURCE: Department of Medicine, Division of Cell Biology, National  
 Jewish Medical and Research Center, 1400 Jackson Street,  
 D403, Denver, CO 80206, USA.. avdin@njc.org  
 CONTRACT NUMBER: HL 61407-04 (NHLBI)  
 SOURCE: Journal of biological chemistry, (2002 Oct 25) 277 (43)  
 40687-96.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English

FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200212  
ENTRY DATE: Entered STN: 20021026  
Last Updated on STN: 20030105  
Entered Medline: 20021209

L8 ANSWER 42 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:764456 CAPLUS Full-text  
DOCUMENT NUMBER: 138:218728  
TITLE: IKK $\beta$  Is Required for Bcl-2-mediated NF- $\kappa$ B  
Activation in Ventricular Myocytes  
AUTHOR(S): Regula, Kelly M.; Ens, Karen; Kirshenbaum, Lorrie A.  
CORPORATE SOURCE: Faculty of Medicine, and the Department of Physiology,  
St. Boniface General Hospital Research Centre,  
Institute of Cardiovascular Sciences, University of  
Manitoba, Winnipeg, MB, R2H 2A6, Can.  
SOURCE: Journal of Biological Chemistry (2002), 277(41),  
38676-38682  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular  
Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L8 ANSWER 43 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE  
21  
ACCESSION NUMBER: 2002:744224 SCISEARCH Full-text  
THE GENUINE ARTICLE: 588UB  
TITLE: A novel specific role for I kappa B kinase  
complex-associated protein in cytosolic stress signaling  
AUTHOR: Holmberg C; Katz S; Lerdrup M; Herdegen T; Jaattela M;  
Aronheim A; Kallunki T (Reprint)  
CORPORATE SOURCE: Danish Canc Soc, Apoptosis Lab, Strandblvd 49, DK-2100  
Copenhagen, Denmark (Reprint); Danish Canc Soc, Apoptosis  
Lab, DK-2100 Copenhagen, Denmark; Technion Israel Inst  
Technol, Dept Mol Genet, IL-31096 Haifa, Israel; Technion  
Israel Inst Technol, Rappaport Family Inst Res Med Sci,  
IL-31096 Haifa, Israel; Christian Albrechts Univ Kiel  
Klinikum, Inst Pharmacol, D-24105 Kiel, Germany  
COUNTRY OF AUTHOR: Denmark; Israel; Germany  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (30 AUG 2002) Vol. 277,  
No. 35, pp. 31918-31928.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.  
ISSN: 0021-9258.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 65  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 44 OF 175 MEDLINE on STN DUPLICATE 22  
ACCESSION NUMBER: 2002349314 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11959862  
TITLE: Scaffold role of a mitogen-activated protein kinase  
phosphatase, SKRP1, for the JNK signaling pathway.  
AUTHOR: Zama Takeru; Aoki Ryoko; Kamimoto Takahiro; Inoue Koichi;  
Ikeda Yasuo; Hagiwara Masatoshi  
CORPORATE SOURCE: Department of Medicine, School of Medicine, Keio  
University, 35 Shinanomachi, Shinjuku-ku, Tokyo 160-0016,  
Japan.  
SOURCE: Journal of biological chemistry, (2002 Jun 28) 277 (26)  
23919-26.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200208  
ENTRY DATE: Entered STN: 20020703  
Last Updated on STN: 20030105  
Entered Medline: 20020806

L8 ANSWER 45 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2002:360749 SCISEARCH Full-text  
THE GENUINE ARTICLE: 542GZ

TITLE: Nonstructural 5A protein of hepatitis C virus modulates tumor necrosis factor alpha-stimulated nuclear factor kappa B activation

AUTHOR: Park K J; Choi S H; Lee S Y; Hwang S B (Reprint); Lai M M C

CORPORATE SOURCE: Hallym Univ, Hallym Acad Sci, Inst Environm & Life Sci, 1 Ockcheon Dong, Chunchon 200702, South Korea (Reprint); Hallym Univ, Hallym Acad Sci, Inst Environm & Life Sci, Chunchon 200702, South Korea; Ewha Womans Univ, Div Mol Life Sci, Seoul 120750, South Korea; Ewha Womans Univ, Ctr Cell Signaling Res, Seoul 120750, South Korea; Univ So Calif, Sch Med, Howard Hughes Med Inst, Dept Mol Microbiol & Immunol, Los Angeles, CA 90033 USA

COUNTRY OF AUTHOR: South Korea; USA

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (12 APR 2002) Vol. 277, No. 15, pp. 13122-13128.  
 Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.  
 ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 59

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 46 OF 175 MEDLINE on STN DUPLICATE 23

ACCESSION NUMBER: 2002165696 MEDLINE Full-text

DOCUMENT NUMBER: PubMed ID: 11756439

TITLE: MEK kinase 1 induces mitochondrial permeability transition leading to apoptosis independent of cytochrome c release.

AUTHOR: Gibson Erika M; Henson Elizabeth S; Villanueva Jaclyn; Gibson Spencer B

CORPORATE SOURCE: Manitoba Institute of Cell Biology, Winnipeg, Manitoba R3E 0V9, Canada.. gibsonsb@cc.umanitoba.ca

SOURCE: Journal of biological chemistry, (2002 Mar 22) 277 (12) 10573-80.  
 Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200204

ENTRY DATE: Entered STN: 20020319  
 Last Updated on STN: 20030105  
 Entered Medline: 20020429

L8 ANSWER 47 OF 175 MEDLINE on STN DUPLICATE 24

ACCESSION NUMBER: 2002183220 MEDLINE Full-text

DOCUMENT NUMBER: PubMed ID: 11782455

TITLE: Apoptosis stimulated by the 91-kDa caspase cleavage MEKK1 fragment requires translocation to soluble cellular compartments.

AUTHOR: Schlesinger Thomas K; Bonvin Christelle; Jarpe Matthew B; Fanger Gary R; Cardinaux Jean-Rene; Johnson Gary L; Widmann Christian

CORPORATE SOURCE: Institute of Cellular Biology and Morphology, University of Lausanne, 1005 Lausanne, Switzerland.

CONTRACT NUMBER: DK37871 (NIDDK)  
 DK48845 (NIDDK)  
 GM30324 (NIGMS)

SOURCE: Journal of biological chemistry, (2002 Mar 22) 277 (12) 10283-91.  
 Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200204

ENTRY DATE: Entered STN: 20020403  
 Last Updated on STN: 20030105  
 Entered Medline: 20020429

L8 ANSWER 48 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 2002:863655 SCISEARCH Full-text

THE GENUINE ARTICLE: 604JX

TITLE: ATF3 induction following DNA damage is regulated by distinct signaling pathways and over-expression of ATF3 protein suppresses cells growth

AUTHOR: Fan F Y; Jin S Q; Amundson S A; Tong T; Fan W H; Zhao H C; Zhu X C; Mazzacurati L; Li X X; Petrik K L; Fornace A J; Rajasekaran B; Zhan Q M (Reprint)

CORPORATE SOURCE: Univ Pittsburgh, Sch Med, Inst Canc, Dept Radiat Oncol, BST W-945, 200 Lothrop St, Pittsburgh, PA 15213 USA (Reprint); Univ Pittsburgh, Sch Med, Inst Canc, Dept Radiat Oncol, Pittsburgh, PA 15213 USA; Univ Pittsburgh, Sch Med, Dept Mol Genet & Biochem, Pittsburgh, PA 15213 USA; Chinese Acad Med Sci, Inst Canc, Natl Lab Mol Oncol, Beijing 100021, Peoples R China; NCI, Lab Basic Sci, NIH, Bethesda, MD 20892 USA

COUNTRY OF AUTHOR: USA; Peoples R China

SOURCE: ONCOGENE, (24 OCT 2002) Vol. 21, No. 49, pp. 7488-7496. Publisher: NATURE PUBLISHING GROUP, MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND. ISSN: 0950-9232.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 50

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 49 OF 175 MEDLINE on STN DUPLICATE 25

ACCESSION NUMBER: 2002480270 MEDLINE Full-text

DOCUMENT NUMBER: PubMed ID: 12242663

TITLE: MEKK1-induced apoptosis requires TRAIL death receptor activation and is inhibited by AKT/PKB through inhibition of MEKK1 cleavage.

AUTHOR: Bild Andrea H; Mendoza Francisco J; Gibson Erika M; Huang Mei; Villanueva Jaclyn; Garrington Timothy P; Jove Richard; Johnson Gary L; Gibson Spencer B

CORPORATE SOURCE: Department of Pharmacology, University of Colorado, 2400 East Ninth Street, Denver, Colorado, CO 80262, USA.

SOURCE: Oncogene, (2002 Sep 26) 21 (43) 6649-56. Journal code: 8711562. ISSN: 0950-9232.

PUB. COUNTRY: England; United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200210

ENTRY DATE: Entered STN: 20020921  
Last Updated on STN: 20021011  
Entered Medline: 20021010

L8 ANSWER 50 OF 175 MEDLINE on STN DUPLICATE 26

ACCESSION NUMBER: 2002337158 MEDLINE Full-text

DOCUMENT NUMBER: PubMed ID: 12080469

TITLE: Regulation of c-myc stability by selective stress conditions and by MEKK1 requires aa 127-189 of c-myc.

AUTHOR: Alarcon-Vargas Dania; Tansey William P; Ronai Ze'ev

CORPORATE SOURCE: Rutenbergs Cancer Center, Mount Sinai School of Medicine, New York, NY 10029, USA.

CONTRACT NUMBER: CA13106 (NCI)  
CA78419 (NCI)  
CA85197 (NCI)

SOURCE: Oncogene, (2002 Jun 27) 21 (28) 4384-91. Journal code: 8711562. ISSN: 0950-9232.

PUB. COUNTRY: England; United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200207

ENTRY DATE: Entered STN: 20020625  
Last Updated on STN: 20020719  
Entered Medline: 20020718

L8 ANSWER 51 OF 175 MEDLINE on STN DUPLICATE 27

ACCESSION NUMBER: 2002246671 MEDLINE Full-text

DOCUMENT NUMBER: PubMed ID: 11971970

TITLE: Androgen receptor acetylation governs trans activation and MEKK1-induced apoptosis without affecting in vitro sumoylation and trans-repression function.



AUTHOR: Fu Maofu; Wang Chenguang; Wang Jian; Zhang Xueping;  
Sakamaki Toshiyuki; Yeung Y G; Chang Chawnshang; Hopp  
Torsten; Fuqua Suzanne A W; Jaffray Ellis; Hay Ron T;  
Palvimo Jorma J; Janne Olli A; Pestell Richard G  
CORPORATE SOURCE: Department of Developmental and Molecular Biology, The  
Albert Einstein Comprehensive Cancer Center, Albert  
Einstein College of Medicine, Bronx, New York 10461, USA.  
CONTRACT NUMBER: 5-P30-CA13330-26 (NCI)  
R01CA72038-01 (NCI)  
R01CA86072 (NCI)  
SOURCE: Molecular and cellular biology, (2002 May) 22 (10) 3373-88.  
Journal code: 8109087. ISSN: 0270-7306.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200206  
ENTRY DATE: Entered STN: 20020503  
Last Updated on STN: 20020605  
Entered Medline: 20020604

L8 ANSWER 52 OF 175 MEDLINE on STN DUPLICATE 28  
ACCESSION NUMBER: 2002207508 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11940658  
TITLE: Calpain-mediated Bid cleavage and calpain-independent Bak  
modulation: two separate pathways in cisplatin-induced  
apoptosis.  
AUTHOR: Mandic Aleksandra; Viktorsson Kristina; Strandberg Linda;  
Heiden Thomas; Hansson Johan; Linder Stig; Shoshan Maria C  
CORPORATE SOURCE: Cancer Center Karolinska, Department of Oncology-Pathology,  
Karolinska Institute and Hospital, S-171 76 Stockholm,  
Sweden.  
SOURCE: Molecular and cellular biology, (2002 May) 22 (9) 3003-13.  
Journal code: 8109087. ISSN: 0270-7306.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200205  
ENTRY DATE: Entered STN: 20020410  
Last Updated on STN: 20020517  
Entered Medline: 20020516

L8 ANSWER 53 OF 175 MEDLINE on STN DUPLICATE 29  
ACCESSION NUMBER: 2002424716 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 12181357  
TITLE: Cell stress and MEKK1-mediated c-Jun activation  
modulate NFkappaB activity and cell viability.  
AUTHOR: Sanchez-Perez Isabel; Benitah Salvador Aznar;  
Martinez-Gomariz Montserrat; Lacal Juan Carlos; Perona  
Rosario  
CORPORATE SOURCE: Instituto de Investigaciones Biomedicas Consejo Superior de  
Investigaciones Cientificas-Universidad Autonoma de Madrid,  
Spain.  
SOURCE: Molecular biology of the cell, (2002 Aug) 13 (8) 2933-45.  
Journal code: 9201390. ISSN: 1059-1524.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200304  
ENTRY DATE: Entered STN: 20020816  
Last Updated on STN: 20030410  
Entered Medline: 20030409

L8 ANSWER 54 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:335859 CAPLUS Full-text  
DOCUMENT NUMBER: 137:61212  
TITLE: Partial depletion of intracellular ATP mediates the  
stress-survival function of the PCPH oncoprotein  
AUTHOR(S): Recio, Juan A.; Paez, J. Guillermo; Sanders, Sean;  
Kawakami, Toshiaki; Notario, Vicente  
CORPORATE SOURCE: Laboratory of Experimental Carcinogenesis, Department  
of Radiation Medicine, Georgetown University Medical  
Center, Washington, DC, 20007, USA

SOURCE: Cancer Research (2002), 62(9), 2690-2694  
CODEN: CNREA8; ISSN: 0008-5472  
PUBLISHER: American Association for Cancer Research  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 55 OF 175 MEDLINE on STN DUPLICATE 30  
ACCESSION NUMBER: 2002089294 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11707464  
TITLE: Akt (protein kinase B) negatively regulates SEK1 by means  
of protein phosphorylation.  
AUTHOR: Park Hee-Sae; Kim Mi-Sung; Huh Sung-Ho; Park Jihyun; Chung  
Jongkyeong; Kang Sang Sun; Choi Eui-Ju  
CORPORATE SOURCE: National Creative Research Initiative Center for Cell  
Death, Graduate School of Biotechnology, Korea University,  
Seoul 136-701, Korea.  
SOURCE: Journal of biological chemistry, (2002 Jan 25) 277 (4)  
2573-8.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200202  
ENTRY DATE: Entered STN: 20020131  
Last Updated on STN: 20030105  
Entered Medline: 20020225

L8 ANSWER 56 OF 175 MEDLINE on STN DUPLICATE 31  
ACCESSION NUMBER: 2002609684 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 12365017  
TITLE: Role of Rel/NF-kappaB transcription factors in  
apoptosis of human hepatocellular carcinoma cells.  
AUTHOR: Chiao Paul J; Na Ren; Niu Jiangong; Sclabas Guido M; Dong  
Qianggang; Curley Steven A  
CORPORATE SOURCE: Department of Surgical Oncology, The University of Texas M.  
D. Anderson Cancer Center, Houston, Texas 77030, USA.  
CONTRACT NUMBER: CA73675-01 (NCI)  
SOURCE: Cancer, (2002 Oct 15) 95 (8) 1696-705.  
Journal code: 0374236. ISSN: 0008-543X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 200210  
ENTRY DATE: Entered STN: 20021008  
Last Updated on STN: 20021030  
Entered Medline: 20021029

L8 ANSWER 57 OF 175 MEDLINE on STN DUPLICATE 32  
ACCESSION NUMBER: 2002307743 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 12049732  
TITLE: The PHD domain of MEKK1 acts as an E3 ubiquitin  
ligase and mediates ubiquitination and degradation of  
ERK1/2.  
AUTHOR: Lu Zhimin; Xu Shuichan; Joazeiro Claudio; Cobb Melanie H;  
Hunter Tony  
CORPORATE SOURCE: Molecular and Cell Biology Laboratory, The Salk Institute  
for Biological Studies, 10010 North Torrey Pines Road, La  
Jolla, CA 92037, USA.  
CONTRACT NUMBER: CA14195 (NCI)  
CA82863 (NCI)  
GM 56498 (NIGMS)  
SOURCE: Molecular cell, (2002 May) 9 (5) 945-56.  
Journal code: 9802571. ISSN: 1097-2765.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200207  
ENTRY DATE: Entered STN: 20020611  
Last Updated on STN: 20030304  
Entered Medline: 20020703

L8 ANSWER 58 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 DUPLICATE 33  
 ACCESSION NUMBER: 2002:479668 BIOSIS Full-text  
 DOCUMENT NUMBER: PREV200200479668  
 TITLE: Immature and mature cortical neurons engage different  
 apoptotic mechanisms involving caspase-3 and the  
 mitogen-activated protein kinase pathway.  
 AUTHOR(S): Lesuisse, Christian; Martin, Lee J. [Reprint author]  
 CORPORATE SOURCE: Department of Pathology, Johns Hopkins University School of  
 Medicine, 720 Rutland Avenue, 558 Ross Building, Baltimore,  
 MD, 21205-2196, USA  
 lmartin@jhmi.edu  
 SOURCE: Journal of Cerebral Blood Flow and Metabolism, (August,  
 2002) Vol. 22, No. 8, pp. 935-950. print.  
 CODEN: JCBMDN. ISSN: 0271-678X.  
 DOCUMENT TYPE: Article  
 LANGUAGE: English  
 ENTRY DATE: Entered STN: 11 Sep 2002  
 Last Updated on STN: 11 Sep 2002

L8 ANSWER 59 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2003:57583 CAPLUS Full-text  
 DOCUMENT NUMBER: 139:17121  
 TITLE: Cisplatin potentiates 1,25-dihydroxyvitamin D3-induced  
 apoptosis in association with increased  
 mitogen-activated protein kinase kinase 1  
 (MEKK-1) expression  
 AUTHOR(S): Hershberger, Pamela A.; McGuire, Terence F.; Yu,  
 Wei-Dong; Zuhowski, Eleanor G.; Schellens, Jan H. M.;  
 Egorin, Merrill J.; Trump, Donald L.; Johnson, Candace  
 S.  
 CORPORATE SOURCE: Department of Pharmacology, University of Pittsburgh  
 School of Medicine, Pittsburgh, PA, 15213, USA  
 SOURCE: Molecular Cancer Therapeutics (2002), 1(10), 821-829  
 CODEN: MCTOCF; ISSN: 1535-7163  
 PUBLISHER: American Association for Cancer Research  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 60 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
 ACCESSION NUMBER: 2002:76222 SCISEARCH Full-text  
 THE GENUINE ARTICLE: 511FE  
 TITLE: Direct activation of mitogen-activated protein kinase  
 kinase kinase MEKK1 by the Ste20p homologue GCK  
 and the adapter protein TRAF2  
 AUTHOR: Chadee D N; Yuasa T; Kyriakis J M (Reprint)  
 CORPORATE SOURCE: Massachusetts Gen Hosp East, Diabet Res Lab, 149 13th St,  
 Charlestown, MA 02129 USA (Reprint); Massachusetts Gen  
 Hosp, Med Serv, Diabet Res Lab, Charlestown, MA USA;  
 Harvard Univ, Sch Med, Dept Med, Charlestown, MA USA; Univ  
 Tokyo, Grad Sch Arts & Sci, Dept Life Sci, Tokyo 1130033,  
 Japan  
 COUNTRY OF AUTHOR: USA; Japan  
 SOURCE: MOLECULAR AND CELLULAR BIOLOGY, (FEB 2002) Vol. 22, No. 3,  
 pp. 737-749.  
 Publisher: AMER SOC MICROBIOLOGY, 1752 N ST NW,  
 WASHINGTON, DC 20036-2904 USA.  
 ISSN: 0270-7306.  
 DOCUMENT TYPE: Article; Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 49  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 61 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2002:438643 CAPLUS Full-text  
 DOCUMENT NUMBER: 137:367599  
 TITLE: Herpes simplex virus type 2 US3 blocks  
 apoptosis induced by sorbitol treatment  
 AUTHOR(S): Murata, Takayuki; Goshima, Fumi; Yamauchi, Yohei;  
 Koshizuka, Tetsuo; Takakuwa, Hiroki; Nishiyama,  
 Yukihiro  
 CORPORATE SOURCE: Research Institute for Disease Mechanism and Control,

Laboratory of Virology, Nagoya University School of  
Medicine, Showa-ku, Nagoya, 466-8550, Japan  
SOURCE: Microbes and Infection (2002), 4(7), 707-712  
CODEN: MCINFS; ISSN: 1286-4579  
PUBLISHER: Editions Scientifiques et Medicales Elsevier  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 62 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2002:685566 SCISEARCH Full-text  
THE GENUINE ARTICLE: 582WX  
TITLE: MEKK1 induces c-Jun complexes that act as  
negative regulators for cell survival and proliferation of  
HCC cells  
AUTHOR: Komoda F; Shino Y; Hirano T; Okutomi Y; Okamoto H; Hayashi  
Y; Suyama T; Ebara M; Saisho H; Shirasawa H (Reprint)  
CORPORATE SOURCE: Chiba Univ, Dept Mol Virol E2, Grad Sch Med, Chuo Ku,  
1-8-1 Inohana, Chiba 8608670, Japan (Reprint); Chiba Univ,  
Dept Mol Virol E2, Grad Sch Med, Chuo Ku, Chiba 8608670,  
Japan; Chiba Univ, Dept Med & Clin Oncol K1, Grad Sch Med,  
Chuo Ku, Chiba 8608670, Japan  
COUNTRY OF AUTHOR: Japan  
SOURCE: INTERNATIONAL JOURNAL OF ONCOLOGY, (SEP 2002) Vol. 21, No.  
3, pp. 553-559.  
Publisher: PROFESSOR D A SPANDIDOS, 1, S MERKOURI ST,  
EDITORIAL OFFICE,, ATHENS 116 35, GREECE.  
ISSN: 1019-6439.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 30  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 63 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
ACCESSION NUMBER: 2002:618796 BIOSIS Full-text  
DOCUMENT NUMBER: PREV200200618796  
TITLE: Apoptosis in human hepatocellular carcinoma (HCC)  
with exisulind and its derivatives and potential for  
pro-apoptotic drug development.  
AUTHOR(S): Lee, Yin-Mei [Reprint author]; Neff, Guy [Reprint author];  
Xu, S.; Menander, K. B.; Whitehead, C.; Thompson, W. J.  
CORPORATE SOURCE: University of Miami, Miami, FL, USA  
SOURCE: Hepatology, (October, 2002) Vol. 36, No. 4 Part 2, pp.  
471A. print.  
Meeting Info.: 53rd Annual Meeting on the Liver. BOSTON,  
MA, USA. November 01-05, 2002.  
CODEN: HPTLD9. ISSN: 0270-9139.  
DOCUMENT TYPE: Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LANGUAGE: English  
ENTRY DATE: Entered STN: 4 Dec 2002  
Last Updated on STN: 4 Dec 2002

L8 ANSWER 64 OF 175 MEDLINE on STN DUPLICATE 34  
ACCESSION NUMBER: 2003011364 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 12517717  
TITLE: A subset of caspase substrates functions as the Jekyll and  
Hyde of apoptosis.  
AUTHOR: Yang Jian-Yan; Widmann Christian  
CORPORATE SOURCE: Institut de biologie cellulaire et de morphologie (IBCM),  
Universite de Lausanne, Switzerland.  
SOURCE: European cytokine network, (2002 Oct-Dec) 13 (4) 404-6.  
Ref: 10  
Journal code: 9100879. ISSN: 1148-5493.  
PUB. COUNTRY: France  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200309  
ENTRY DATE: Entered STN: 20030109  
Last Updated on STN: 20030928  
Entered Medline: 20030926

L8 ANSWER 65 OF 175 MEDLINE on STN DUPLICATE 35  
 ACCESSION NUMBER: 2002388325 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 12122119  
 TITLE: The MEKK1-JNK pathway plays a protective role in  
 pressure overload but does not mediate cardiac hypertrophy.  
 AUTHOR: Sadoshima Junichi; Montagne Olivier; Wang Qian; Yang  
 Guiping; Warden Jill; Liu Jing; Takagi Gen; Karoor Vijaya;  
 Hong Chull; Johnson Gary L; Vatner Dorothy E; Vatner  
 Stephen F  
 CORPORATE SOURCE: Cardiovascular Research Institute, Department of Cell  
 Biology and Molecular Medicine, University of Medicine and  
 Dentistry of New Jersey, New Jersey Medical School, Newark  
 07103, USA.. Sadoshju@umdnj.edu  
 CONTRACT NUMBER: AG-14121 (NIA)  
 DK37871 (NIDDK)  
 GM-30324 (NIGMS)  
 HL-33065 (NHLBI)  
 HL-33107 (NHLBI)  
 HL-59139 (NHLBI)  
 HL-65182 (NHLBI)  
 HL-65183 (NHLBI)  
 HL-67724 (NHLBI)  
 HL-67727 (NHLBI)  
 HL-69020 (NHLBI)  
 SOURCE: Journal of clinical investigation, (2002 Jul) 110 (2)  
 271-9.  
 Journal code: 7802877. ISSN: 0021-9738.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
 ENTRY MONTH: 200208  
 ENTRY DATE: Entered STN: 20020725  
 Last Updated on STN: 20020815  
 Entered Medline: 20020814

L8 ANSWER 66 OF 175 MEDLINE on STN DUPLICATE 36  
 ACCESSION NUMBER: 2002401868 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 12151316  
 TITLE: Proteasome inhibitors stimulate interleukin-8 expression  
 via Ras and apoptosis signal-regulating  
 kinase-dependent extracellular signal-related kinase and  
 c-Jun N-terminal kinase activation.  
 AUTHOR: Wu Hsiao-Mei; Wen Hui-Chun; Lin Wan-Wan  
 CORPORATE SOURCE: Department of Pharmacology, College of Medicine, National  
 Taiwan University, Taipei, Taiwan.  
 SOURCE: American journal of respiratory cell and molecular biology,  
 (2002 Aug) 27 (2) 234-43.  
 Journal code: 8917225. ISSN: 1044-1549.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200208  
 ENTRY DATE: Entered STN: 20020802  
 Last Updated on STN: 20020917  
 Entered Medline: 20020829

L8 ANSWER 67 OF 175 MEDLINE on STN DUPLICATE 37  
 ACCESSION NUMBER: 2002415478 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 12169272  
 TITLE: Lymphotoxin beta receptor induces interleukin 8 gene  
 expression via NF-kappaB and AP-1 activation.  
 AUTHOR: Chang Ying-Hsin; Hsieh Shie-Liang; Chen Mei-Chieh; Lin  
 Wan-Wan  
 CORPORATE SOURCE: Department of Pharmacology, College of Medicine, National  
 Taiwan University, Taipei, Taiwan.  
 SOURCE: Experimental cell research, (2002 Aug 15) 278 (2) 166-74.  
 Journal code: 0373226. ISSN: 0014-4827.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200209

ENTRY DATE: Entered STN: 20020810  
Last Updated on STN: 20021002  
Entered Medline: 20020913

L8 ANSWER 68 OF 175 MEDLINE on STN DUPLICATE 38  
ACCESSION NUMBER: 2002055698 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11781136  
TITLE: Role of the amino-terminal domains of MEKKs in the  
activation of NF kappa B and MAPK pathways and in the  
regulation of cell proliferation and apoptosis.  
AUTHOR: Bonvin Christelle; Guillon Audrey; van Bemmelen Miguel X;  
Gerwins Par; Johnson Gary L; Widmann Christian  
CORPORATE SOURCE: Institute of Cellular Biology and Morphology, Lausanne  
University, Lausanne, Switzerland.  
SOURCE: Cellular signalling, (2002 Feb) 14 (2) 123-31.  
Journal code: 8904683. ISSN: 0898-6568.  
PUB. COUNTRY: England: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200203  
ENTRY DATE: Entered STN: 20020125  
Last Updated on STN: 20020320  
Entered Medline: 20020319

L8 ANSWER 69 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:740407 CAPLUS Full-text  
DOCUMENT NUMBER: 138:51102  
TITLE: Methylpyridinium (MPP+)- and nerve growth  
factor-induced changes in pro- and anti-apoptotic  
signaling pathways in SH-SY5Y neuroblastoma cells  
AUTHOR(S): Halvorsen, Erik M.; Dennis, Jameel; Keeney, Paula M.;  
Sturgill, Thomas W.; Tuttle, Jeremy B.; Bennett, James  
P.  
CORPORATE SOURCE: Department of Pharmacology, University of Virginia  
School of Medicine, Charlottesville, VA, 22908, USA  
SOURCE: Brain Research (2002), 952(1), 98-110  
CODEN: BRREAP; ISSN: 0006-8993  
PUBLISHER: Elsevier Science B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 68 THERE ARE 68 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 70 OF 175 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN DUPLICATE  
39  
ACCESSION NUMBER: 2001-290412 [30] WPIDS Full-text  
DOC. NO. CPI: C2001-088913  
TITLE: Treatment or prevention of benign prostate hyperplasia  
(BPH) comprises trans-urethral injection of  
prostate-targeted, apoptosis-inducing, nucleic  
acids.  
DERWENT CLASS: B04 D16  
INVENTOR(S): BRUDER, J T; CHEN, P; KING, C R; KIRKMAN, W M; KOVESDI,  
I; RANSOM, S C; WICKHAM, T J  
PATENT ASSIGNEE(S): (GENV-N) GENVEC INC  
COUNTRY COUNT: 94  
PATENT INFORMATION:

| PATENT NO   | KIND | DATE     | WEEK      | LA | PG |
|---|------|----------|-----------|----|----|
| -----   |      |          |           |    |    |
| WO 2001021217   | A2   | 20010329 | (200130)* | EN | 18 |
| RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ |      |          |           |    |    |
| NL OA PT SD SE SL SZ TZ UG ZW   |      |          |           |    |    |
| W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM  |      |          |           |    |    |
| DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC     |      |          |           |    |    |
| LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE     |      |          |           |    |    |
| SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW                    |      |          |           |    |    |
| AU 2001010709   | A    | 20010424 | (200141)  |    |    |

APPLICATION DETAILS:

| PATENT NO     | KIND | APPLICATION     | DATE     |
|---------------|------|-----------------|----------|
| -----         |      |                 |          |
| WO 2001021217 | A2   | WO 2000-US26101 | 20000922 |

AU 2001010709 A

AU 2001-10709

20000922

## FILING DETAILS:

| PATENT NO     | KIND       | PATENT NO     |
|---------------|------------|---------------|
| AU 2001010709 | A Based on | WO 2001021217 |

PRIORITY APPLN. INFO: US 2000-200618P 20000428; US  
1999-155742P 19990923; US  
1999-165318P 19991112; US  
2000-180573P 20000204

L8 ANSWER 71 OF 175 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

ACCESSION NUMBER: 2002-139712 [18] WPIDS Full-text

DOC. NO. CPI: C2002-043015

TITLE: New caspase-activated deoxyribonuclease (CAD) inhibitor  
interacting with ASK1 (CIA) gene, useful for treating  
degenerative diseases, cancer, immune disorders,  
inflammation and apoptosis-related diseases.

DERWENT CLASS: B04 D16

INVENTOR(S): CHO, S G; CHOI, E J; JI, S U; KIM, J U; LEE, Y H; CHOI, U  
J; JIH, S W; KIM, J W; CHI, S W; CHO, S; CHOI, EPATENT ASSIGNEE(S): (CHOI-I) CHOI E; (CHOI-I) CHOI E J; (KOED-N) KOREA CENT  
EDUCATIONAL FOUND

COUNTRY COUNT: 93

PATENT INFORMATION:

| PATENT NO   | KIND | DATE     | WEEK      | LA | PG |
|---|------|----------|-----------|----|----|
| WO 2001096550   | A1   | 20011220 | (200218)* | EN | 73 |
| RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ<br>NL OA PT SD SE SL SZ TZ UG ZW  |      |          |           |    |    |
| W: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ<br>EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR<br>LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK<br>SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW |      |          |           |    |    |
| AU 2000055753   | A    | 20011224 | (200227)  |    |    |
| KR 2001113088   | A    | 20011228 | (200240)  |    |    |
| KR 399982   | B    | 20031113 | (200423)  |    |    |

## APPLICATION DETAILS:

| PATENT NO     | KIND | APPLICATION   | DATE     |
|---------------|------|---------------|----------|
| WO 2001096550 | A1   | WO 2000-KR667 | 20000626 |
| AU 2000055753 | A    | AU 2000-55753 | 20000626 |
| KR 2001113088 | A    | KR 2000-33195 | 20000616 |
| KR 399982     | B    | KR 2000-33195 | 20000616 |

## FILING DETAILS:

| PATENT NO     | KIND             | PATENT NO     |
|---------------|------------------|---------------|
| AU 2000055753 | A Based on       | WO 2001096550 |
| KR 399982     | B Previous Publ. | KR 2001113088 |

PRIORITY APPLN. INFO: KR 2000-33195 20000616

L8 ANSWER 72 OF 175 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

ACCESSION NUMBER: 2002-163179 [21] WPIDS Full-textCROSS REFERENCE: 1994-357747 [44]; 1998-311395 [27]; 1999-094912 [08];  
1999-633328 [54]; 2000-411281 [35]

DOC. NO. CPI: C2002-050327

TITLE: New isolated nucleic acid encoding mitogen extracellular  
signal-regulated kinase kinase, useful for gene therapy  
of e.g. cancer and for recombinant protein production.

DERWENT CLASS: B04 D16

INVENTOR(S): JOHNSON, G L

PATENT ASSIGNEE(S): (NAJE-N) NAT JEWISH CENT IMMUNOLOGY &amp; RESPIRATORY

COUNTRY COUNT: 1

PATENT INFORMATION:

| PATENT NO | KIND | DATE | WEEK | LA | PG |
|-----------|------|------|------|----|----|
|-----------|------|------|------|----|----|

## APPLICATION DETAILS:

| PATENT NO  | KIND      | APPLICATION    | DATE     |
|------------|-----------|----------------|----------|
| US 6333170 | B1 CIP of | US 1993-49254  | 19930415 |
|            | CIP of    | US 1994-323460 | 19941014 |
|            | CIP of    | US 1995-440421 | 19950512 |
|            | CIP of    | US 1995-472934 | 19950606 |
|            |           | US 1996-628829 | 19960405 |

## FILING DETAILS:

| PATENT NO  | KIND      | PATENT NO  |
|------------|-----------|------------|
| US 6333170 | B1 CIP of | US 5405941 |
|            | CIP of    | US 5753446 |
|            | CIP of    | US 5854043 |

PRIORITY APPLN. INFO: US 1996-628829 19960405; US  
 1993-49254 19930415; US  
 1994-323460 19941014; US  
 1995-440421 19950512; US  
 1995-472934 19950606

L8 ANSWER 73 OF 175 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS  
 RESERVED. on STN

ACCESSION NUMBER: 2003457738 EMBASE Full-text  
 TITLE: Differential Molecular Assemblies Underlie the Dual  
 Function of Axin in Modulating the Wnt and JNK Pathways.  
 AUTHOR: Zhang Y.; Qiu W.-J.; Liu D.-X.; Neo S.Y.; He X.; Lin S.-C.  
 CORPORATE SOURCE: S.-C. Lin, Department of Biochemistry, Hong Kong Univ. of  
 Sci. and Technol., Clear Water Bay, Kowloon, Singapore.  
 SOURCE: linsc@ust.hk  
 Journal of Biological Chemistry, (24 Aug 2001) 276/34  
 (32152-32159).  
 Refs: 57  
 ISSN: 0021-9258 CODEN: JBCHA3  
 COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article  
 FILE SEGMENT: 029 Clinical Biochemistry  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English

L8 ANSWER 74 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 2001:582482 SCISEARCH Full-text  
 THE GENUINE ARTICLE: 454HJ  
 TITLE: Role of receptor-interacting protein in tumor necrosis  
 factor-alpha-dependent MEKK1 activation  
 AUTHOR: Kim J W; Joe C O; Choi E J (Reprint)  
 CORPORATE SOURCE: Korea Univ, Natl Creat Res Instiat Ctr Cell Death, Grad  
 Sch Biotechnol, Seoul 156701, South Korea (Reprint); Korea  
 Adv Inst Sci & Technol, Dept Biol Sci, Taejon 305701,  
 South Korea  
 COUNTRY OF AUTHOR: South Korea  
 SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (20 JUL 2001) Vol. 276,  
 No. 29, pp. 27064-27070.  
 Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
 9650 ROCKVILLE PIKE, BETHESDA, MD 20814 USA.  
 ISSN: 0021-9258.  
 DOCUMENT TYPE: Article; Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 50

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 75 OF 175 MEDLINE on STN DUPLICATE 40

ACCESSION NUMBER: 2001341565 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 11278263  
 TITLE: Protein kinase G activates the JNK1 pathway via  
 phosphorylation of MEKK1.  
 AUTHOR: Soh J W; Mao Y; Liu L; Thompson W J; Pamukcu R; Weinstein I  
 B  
 CORPORATE SOURCE: Department of Medicine, Herbert Irving Comprehensive Cancer  
 Center, College of Physicians & Surgeons, Columbia



SOURCE: University, New York, New York 10032, USA.  
Journal of biological chemistry, (2001 May 11) 276 (19)  
16406-10.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200106  
ENTRY DATE: Entered STN: 20010618  
Last Updated on STN: 20030105  
Entered Medline: 20010614

L8 ANSWER 76 OF 175 MEDLINE on STN DUPLICATE 41  
ACCESSION NUMBER: 2001341558 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11278389  
TITLE: Stimulation of p300-mediated transcription by the kinase  
MEKK1.  
AUTHOR: See R H; Calvo D; Shi Y; Kawa H; Luke M P; Yuan Z; Shi Y  
CORPORATE SOURCE: Department of Pathology, Harvard Medical School and  
Department of Radiation Biology, Harvard School of Public  
Health, Boston, Massachusetts 02115.  
CONTRACT NUMBER: GM58012 (NIGMS)  
SOURCE: Journal of biological chemistry, (2001 May 11) 276 (19)  
16310-7.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200106  
ENTRY DATE: Entered STN: 20010618  
Last Updated on STN: 20030105  
Entered Medline: 20010614

L8 ANSWER 77 OF 175 MEDLINE on STN DUPLICATE 42  
ACCESSION NUMBER: 2001370802 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11278782  
TITLE: Both phosphorylation and caspase-mediated cleavage  
contribute to regulation of the Ste20-like protein kinase  
Mst1 during CD95/Fas-induced apoptosis.  
AUTHOR: Graves J D; Draves K E; Gotoh Y; Krebs E G; Clark E A  
CORPORATE SOURCE: Department of Immunology, University of Washington Medical  
Center, Seattle, Washington 98195, USA..  
jonjons@u.washington.edu  
CONTRACT NUMBER: R01GM58487 (NIGMS)  
R01AI44250 (NIAID)  
SOURCE: Journal of biological chemistry, (2001 May 4) 276 (18)  
14909-15.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200106  
ENTRY DATE: Entered STN: 20010702  
Last Updated on STN: 20030105  
Entered Medline: 20010628

L8 ANSWER 78 OF 175 MEDLINE on STN DUPLICATE 43  
ACCESSION NUMBER: 2001290720 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11099494  
TITLE: X protein of hepatitis B virus inhibits Fas-mediated  
apoptosis and is associated with up-regulation of  
the SAPK/JNK pathway.  
AUTHOR: Diao J; Khine A A; Sarangi F; Hsu E; Iorio C; Tibbles L A;  
Woodgett J R; Penninger J; Richardson C D  
CORPORATE SOURCE: Department of Medical Biophysics, University of Toronto,  
Toronto, Ontario M5G 2M9, Canada.  
SOURCE: Journal of biological chemistry, (2001 Mar 16) 276 (11)  
8328-40.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English

FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200106  
ENTRY DATE: Entered STN: 20010625  
Last Updated on STN: 20030105  
Entered Medline: 20010621

L8 ANSWER 79 OF 175 MEDLINE on STN DUPLICATE 44  
ACCESSION NUMBER: 2001539235 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11585901  
TITLE: MEKK1 is essential for DT40 cell  
apoptosis in response to microtubule disruption.  
AUTHOR: Kwan R; Burnside J; Kurosaki T; Cheng G  
CORPORATE SOURCE: Molecular Biology Institute, University of California Los  
Angeles, Los Angeles, California 90095-1781, USA.  
CONTRACT NUMBER: CA09056 (NCI)  
GM57559 (NIGMS)  
SOURCE: Molecular and cellular biology, (2001 Nov) 21 (21) 7183-90.  
Journal code: 8109087. ISSN: 0270-7306.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200112  
ENTRY DATE: Entered STN: 20011008  
Last Updated on STN: 20020420  
Entered Medline: 20011204

L8 ANSWER 80 OF 175 MEDLINE on STN DUPLICATE 45  
ACCESSION NUMBER: 2001441716 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11487612  
TITLE: A dominant negative inhibitor of the Egr family of  
transcription regulatory factors suppresses cerebellar  
granule cell apoptosis by blocking c-Jun  
activation.  
AUTHOR: Levkovitz Y; Baraban J M  
CORPORATE SOURCE: Departments of Neuroscience, Psychiatry and Behavioral  
Sciences, Johns Hopkins University School of Medicine,  
Baltimore, Maryland 21205, USA.  
SOURCE: Journal of neuroscience : official journal of the Society  
for Neuroscience, (2001 Aug 15) 21 (16) 5893-901.  
Journal code: 8102140. ISSN: 1529-2401.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200108  
ENTRY DATE: Entered STN: 20010813  
Last Updated on STN: 20020420  
Entered Medline: 20010830

L8 ANSWER 81 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2001:649415 SCISEARCH Full-text  
THE GENUINE ARTICLE: 460PR  
TITLE: A dominant negative inhibitor of the Egr family of  
transcription regulatory factors suppresses cerebellar  
granule cell apoptosis by blocking c-Jun  
activation  
AUTHOR: Levkovitz Y; Baraban J M (Reprint)  
CORPORATE SOURCE: Johns Hopkins Univ, Sch Med, Dept Neurosci, 725 N Wolfe  
St, Baltimore, MD 21205 USA (Reprint); Johns Hopkins Univ,  
Sch Med, Dept Neurosci, Baltimore, MD 21205 USA; Johns  
Hopkins Univ, Sch Med, Dept Psychiat, Baltimore, MD 21205  
USA; Johns Hopkins Univ, Sch Med, Dept Behav Sci,  
Baltimore, MD 21205 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF NEUROSCIENCE, (15 AUG 2001) Vol. 21, No. 16,  
pp. 5893-5901.  
Publisher: SOC NEUROSCIENCE, 11 DUPONT CIRCLE, NW, STE  
500, WASHINGTON, DC 20036 USA.  
ISSN: 0270-6474.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 44  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 82 OF 175 MEDLINE on STN DUPLICATE 46  
 ACCESSION NUMBER: 2001316299 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 11389085  
 TITLE: Nuclear factor-kappaB is constitutively active in C-cell carcinoma and required for RET-induced transformation.  
 AUTHOR: Ludwig L; Kessler H; Wagner M; Hoang-Vu C; Dralle H; Adler G; Bohm B O; Schmid R M  
 CORPORATE SOURCE: Department of Internal Medicine I, University of Ulm, Robert-Koch-Street 8, D-89081 Ulm, Germany.  
 SOURCE: Cancer research, (2001 Jun 1) 61 (11) 4526-35.  
 Journal code: 2984705R. ISSN: 0008-5472.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200106  
 ENTRY DATE: Entered STN: 20010625  
 Last Updated on STN: 20020919  
 Entered Medline: 20010621

L8 ANSWER 83 OF 175 MEDLINE on STN DUPLICATE 47  
 ACCESSION NUMBER: 2001371143 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 11340162  
 TITLE: Cisplatin induces the proapoptotic conformation of Bak in a deltaMEKK1-dependent manner.  
 AUTHOR: Mandic A; Viktorsson K; Molin M; Akusjarvi G; Eguchi H; Hayashi S I; Toi M; Hansson J; Linder S; Shoshan M C  
 CORPORATE SOURCE: Radiumhemmet's Research Laboratory, Cancer Center Karolinska, Department of Oncology-Pathology, Karolinska Institute, S-171 76 Stockholm, Sweden.  
 SOURCE: Molecular and cellular biology, (2001 Jun) 21 (11) 3684-91.  
 Journal code: 8109087. ISSN: 0270-7306.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200106  
 ENTRY DATE: Entered STN: 20010702  
 Last Updated on STN: 20020420  
 Entered Medline: 20010628

L8 ANSWER 84 OF 175 MEDLINE on STN DUPLICATE 48  
 ACCESSION NUMBER: 2001202872 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 11053415  
 TITLE: Tumor necrosis factor-alpha activation of the c-Jun N-terminal kinase pathway in human neutrophils. Integrin involvement in a pathway leading from cytoplasmic tyrosine kinases apoptosis.  
 AUTHOR: Avdi N J; Nick J A; Whitlock B B; Billstrom M A; Henson P M; Johnson G L; Worthen G S  
 CORPORATE SOURCE: Department of Medicine, National Jewish Medical and Research Center, University of Colorado School of Medicine, Denver, Colorado 80206, USA.  
 CONTRACT NUMBER: HL13403 (NHLBI)  
 HL40784 (NHLBI)  
 HL61407 (NHLBI)  
 SOURCE: Journal of biological chemistry, (2001 Jan 19) 276 (3) 2189-99.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200104  
 ENTRY DATE: Entered STN: 20010417  
 Last Updated on STN: 20030105  
 Entered Medline: 20010412

L8 ANSWER 85 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
 ACCESSION NUMBER: 2001:218777 SCISEARCH Full-text  
 THE GENUINE ARTICLE: 407DD  
 TITLE: Inhibition of extracellular signal-regulated kinase (ERK) mediates cell cycle phase independent apoptosis in vinblastine-treated ML-1 cells  
 AUTHOR: Stadheim T A; Xiao H; Eastman A (Reprint)

CORPORATE SOURCE: Dartmouth Med Sch, Dept Pharmacol & Toxicol, Hanover, NH  
03755 USA (Reprint)  
COUNTRY OF AUTHOR: USA  
SOURCE: CANCER RESEARCH, (15 FEB 2001) Vol. 61, No. 4, pp.  
1533-1540.  
Publisher: AMER ASSOC CANCER RESEARCH, PO BOX 11806,  
BIRMINGHAM, AL 35202 USA.  
ISSN: 0008-5472.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 46

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 86 OF 175 MEDLINE on STN DUPLICATE 49  
ACCESSION NUMBER: 2001342052 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11375350  
TITLE: Phosphorylation of p38 mitogen-activated protein kinase  
downstream of bax-caspase-3 pathway leads to cell death  
induced by high D-glucose in human endothelial cells.  
AUTHOR: Nakagami H; Morishita R; Yamamoto K; Yoshimura S I;  
Taniyama Y; Aoki M; Matsubara H; Kim S; Kaneda Y; Ogiwara T  
CORPORATE SOURCE: Department of Geriatric Medicine, Osaka University Medical  
School, Yamada-oka, Suita, Osaka, Japan.  
SOURCE: Diabetes, (2001 Jun) 50 (6) 1472-81.  
Journal code: 0372763. ISSN: 0012-1797.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 200106  
ENTRY DATE: Entered STN: 20010702  
Last Updated on STN: 20010702  
Entered Medline: 20010628

L8 ANSWER 87 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
ACCESSION NUMBER: 2001:532880 BIOSIS Full-text  
DOCUMENT NUMBER: PREV200100532880  
TITLE: A dominant negative inhibitor of the Egr family of  
transcription regulatory factors suppresses cerebellar  
granule cell apoptosis by blocking c-Jun  
activation.  
AUTHOR(S): Levkovitz, Y. [Reprint author]; Baraban, J. M. [Reprint  
author]  
CORPORATE SOURCE: Departments of Neuroscience, Johns Hopkins University  
School of Medicine, Baltimore, MD, USA  
SOURCE: Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1,  
pp. 1298. print.  
Meeting Info.: 31st Annual Meeting of the Society for  
Neuroscience. San Diego, California, USA. November 10-15,  
2001.  
ISSN: 0190-5295.  
DOCUMENT TYPE: Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LANGUAGE: English  
ENTRY DATE: Entered STN: 14 Nov 2001  
Last Updated on STN: 23 Feb 2002

L8 ANSWER 88 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
ACCESSION NUMBER: 2001:245172 BIOSIS Full-text  
DOCUMENT NUMBER: PREV200100245172  
TITLE: PKC-dependent JNK activation by phorbol ester is regulated  
by a Ras- and/or a Rac1-mediated signal transduction  
pathways.  
AUTHOR(S): Xiao, Lei [Reprint author]; Lang, Wenhua [Reprint author];  
Wang, Heiman [Reprint author]  
CORPORATE SOURCE: Shands Cancer Center, University of Florida, Gainesville,  
FL, 32610-0232, USA  
SOURCE: FASEB Journal, (March 8, 2001) Vol. 15, No. 5, pp. A904.  
print.  
Meeting Info.: Annual Meeting of the Federation of American  
Societies for Experimental Biology on Experimental Biology  
2001. Orlando, Florida, USA. March 31-April 04, 2001.  
CODEN: FAJOEC. ISSN: 0892-6638.  
DOCUMENT TYPE: Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)

LANGUAGE: English  
ENTRY DATE: Entered STN: 23 May 2001  
Last Updated on STN: 19 Feb 2002

L8 ANSWER 89 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2001:322613 CAPLUS Full-text  
DOCUMENT NUMBER: 135:72815  
TITLE: Negative regulation of the SAPK/JNK signaling pathway  
by presenilin 1  
AUTHOR(S): Kim, Jin Woo; Chang, Tong-Shin; Lee, Ji Eun; Huh,  
Sung-Ho; Yeon, Seung Woo; Yang, Wan Seok; Joe, Cheol  
O.; Mook-Jung, Inhee; Tanzi, Rudolph E.; Kim, Tae-Wan;  
Choi, Eui-Ju  
CORPORATE SOURCE: National Creative Research Initiative Center for Cell  
Death, Graduate School of Biotechnology, Korea  
University, Seoul, 136-701, S. Korea  
SOURCE: Journal of Cell Biology (2001), 153(3), 457-463  
CODEN: JCLBA3; ISSN: 0021-9525  
PUBLISHER: Rockefeller University Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 90 OF 175 MEDLINE on STN DUPLICATE 50  
ACCESSION NUMBER: 2001157124 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11157751  
TITLE: Hsp72 functions as a natural inhibitory protein of c-Jun  
N-terminal kinase.  
AUTHOR: Park H S; Lee J S; Huh S H; Seo J S; Choi E J  
CORPORATE SOURCE: National Creative Research Initiative Center for Cell  
Death, Graduate School of Biotechnology, Korea University,  
Seoul 136-701 Korea.  
SOURCE: EMBO journal, (2001 Feb 1) 20 (3) 446-56.  
Journal code: 8208664. ISSN: 0261-4189.  
PUB. COUNTRY: England: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200103  
ENTRY DATE: Entered STN: 20010404  
Last Updated on STN: 20020420  
Entered Medline: 20010322

L8 ANSWER 91 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
ACCESSION NUMBER: 2001:458715 BIOSIS Full-text  
DOCUMENT NUMBER: PREV200100458715  
TITLE: Activation of nuclear factor-kappaB signaling transduction  
pathway may contribute to the mediation of  
paclitaxel-induced apoptosis in solid tumor  
cells.  
AUTHOR(S): Huang, Yi [Reprint author]; Norris, James Scott [Reprint  
author]; Fan, Weimin [Reprint author]  
CORPORATE SOURCE: Medical University of South Carolina, Charleston, SC, USA  
SOURCE: Proceedings of the American Association for Cancer Research  
Annual Meeting, (March, 2001) Vol. 42, pp. 439. print.  
Meeting Info.: 92nd Annual Meeting of the American  
Association for Cancer Research. New Orleans, LA, USA.  
March 24-28, 2001.  
ISSN: 0197-016X.  
DOCUMENT TYPE: Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LANGUAGE: English  
ENTRY DATE: Entered STN: 26 Sep 2001  
Last Updated on STN: 22 Feb 2002

L8 ANSWER 92 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2001:326096 SCISEARCH Full-text  
THE GENUINE ARTICLE: 420QL  
TITLE: Expression of JNK cascade scaffold protein JSAP1 in the  
mouse nervous system  
AUTHOR: Akechi M; Ito M (Reprint); Uemura K; Takamatsu N;  
Yamashita S; Uchiyama K; Yoshioka K; Shiba T  
CORPORATE SOURCE: Kitasato Univ, Sch Sci, Dept Biosci, 1-15-1 Kitasato,  
Kanagawa 2288555, Japan (Reprint); Kitasato Univ, Sch Sci,

Dept Biosci, Kanagawa 2288555, Japan; Nippon Suisan Kaisha Ltd, Cent Res Lab, Tokyo 1920906, Japan; Kanazawa Univ, Canc Res Inst, Dept Mol Pathol, Kanazawa, Ishikawa 9200934, Japan

COUNTRY OF AUTHOR: Japan  
SOURCE: NEUROSCIENCE RESEARCH, (APR 2001) Vol. 39, No. 4, pp. 391-400.  
Publisher: ELSEVIER SCI IRELAND LTD, CUSTOMER RELATIONS MANAGER, BAY 15, SHANNON INDUSTRIAL ESTATE CO, CLARE, IRELAND.  
ISSN: 0168-0102.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 42  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 93 OF 175 MEDLINE on STN DUPLICATE 51  
ACCESSION NUMBER: 2001226346 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11179198  
TITLE: Cytoprotection by Jun kinase during nitric oxide-induced cardiac myocyte apoptosis.  
AUTHOR: Andreka P; Zang J; Dougherty C; Slepak T I; Webster K A; Bishopric N H  
CORPORATE SOURCE: Department of Molecular and Cellular Pharmacology, University of Miami, FL, USA.  
CONTRACT NUMBER: HL44578 (NHLBI)  
SOURCE: Circulation research, (2001 Feb 16) 88 (3) 305-12.  
Journal code: 0047103. ISSN: 1524-4571.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200104  
ENTRY DATE: Entered STN: 20010502  
Last Updated on STN: 20020420  
Entered Medline: 20010426

L8 ANSWER 94 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2001:254090 SCISEARCH Full-text  
THE GENUINE ARTICLE: 412PC  
TITLE: Cytoprotection by Jun kinase during nitric oxide-induced cardiac myocyte apoptosis  
AUTHOR: Andreka P; Zang J; Dougherty C; Slepak T I; Webster K A; Bishopric N H (Reprint)  
CORPORATE SOURCE: Univ Miami, Sch Med, Dept Mol & Cellular Pharmacol, RMSB 6038, 1600 NW 10th Ave, Miami, FL 33136 USA (Reprint); Univ Miami, Sch Med, Dept Mol & Cellular Pharmacol, Miami, FL 33136 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: CIRCULATION RESEARCH, (16 FEB 2001) Vol. 88, No. 3, pp. 305-312.  
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA.  
ISSN: 0009-7330.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 48  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 95 OF 175 MEDLINE on STN DUPLICATE 52  
ACCESSION NUMBER: 2001548813 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11594795  
TITLE: A20 inhibits NF-kappa B activation downstream of multiple Map3 kinases and interacts with the I kappa B signalosome.  
AUTHOR: Zetoune F S; Murthy A R; Shao Z; Hlaing T; Zeidler M G; Li Y; Vincenz C  
CORPORATE SOURCE: Department of Pathology, University of Michigan Medical School, Ann Arbor, Michigan 48109, USA.  
CONTRACT NUMBER: CA-61348 (NCI)  
HD-33881 (NICHD)  
SOURCE: Cytokine, (2001 Sep 21) 15 (6) 282-98.  
Journal code: 9005353. ISSN: 1043-4666.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English

FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200201  
ENTRY DATE: Entered STN: 20011015  
Last Updated on STN: 20020125  
Entered Medline: 20020122

L8 ANSWER 96 OF 175 MEDLINE on STN DUPLICATE 53  
ACCESSION NUMBER: 2002324593 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 12067067  
TITLE: Proteolytic cleavage of molecules involved in cell death or survival pathways: a role in the control of apoptosis?  
AUTHOR: Karran L; Dyer M J  
CORPORATE SOURCE: Department of Pathology, Leicester Royal Infirmary, United Kingdom.. elk5@le.ac.uk  
SOURCE: Critical reviews in eukaryotic gene expression, (2001) 11 (4) 269-77. Ref: 46  
Journal code: 9007261. ISSN: 1045-4403.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200207  
ENTRY DATE: Entered STN: 20020618  
Last Updated on STN: 20020718  
Entered Medline: 20020717

L8 ANSWER 97 OF 175 MEDLINE on STN DUPLICATE 54  
ACCESSION NUMBER: 2001178541 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 11160861  
TITLE: Involvement of Asp-Glu-Val-Asp-directed, caspase-mediated mitogen-activated protein kinase kinase 1 Cleavage, c-Jun N-terminal kinase activation, and subsequent Bcl-2 phosphorylation for paclitaxel-induced apoptosis in HL-60 cells.  
AUTHOR: Shiah S G; Chuang S E; Kuo M L  
CORPORATE SOURCE: Laboratory of Molecular and Cellular Toxicology, Institute of Toxicology, College of Medicine, National Taiwan University, Taipei, Taiwan.  
SOURCE: Molecular pharmacology, (2001 Feb) 59 (2) 254-62.  
Journal code: 0035623. ISSN: 0026-895X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200103  
ENTRY DATE: Entered STN: 20010404  
Last Updated on STN: 20020420  
Entered Medline: 20010329

L8 ANSWER 98 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2001:297998 SCISEARCH Full-text  
THE GENUINE ARTICLE: 417GB  
TITLE: Alternative activation of extracellular signal-regulated protein kinases in curcumin and arsenite-induced HSP70 gene expression in human colorectal carcinoma cells  
AUTHOR: Chen Y C (Reprint); Tsai S H; Shen S C; Lin J K; Lee W R  
CORPORATE SOURCE: Taipei Med Coll, Grad Inst Pharmacognosy, 250 Wu Hsing St, Taipei, Taiwan (Reprint); Taipei Med Univ, Grad Inst Pharmacognosy, Taipei, Taiwan; Natl Taiwan Univ, Coll Med, Inst Biochem, Taipei 10018, Taiwan; Taipei Med Univ, Sch Med, Dept Dermatol, Taipei, Taiwan; Taipei Med Univ Hosp, Dept Dermatol, Taipei, Taiwan  
COUNTRY OF AUTHOR: Taiwan  
SOURCE: EUROPEAN JOURNAL OF CELL BIOLOGY, (MAR 2001) Vol. 80, No. 3, pp. 213-221.  
Publisher: URBAN & FISCHER VERLAG, BRANCH OFFICE JENA, P O BOX 100537, D-07705 JENA, GERMANY.  
ISSN: 0171-9335.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 52  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 99 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 2001:355249 SCISEARCH Full-text

THE GENUINE ARTICLE: 424YW

TITLE: c-JUN gene induction and AP-1 activity is regulated by a JNK-dependent pathway in hypoxic HepG2 cells

AUTHOR: Minet E; Michel G; Mottet D; Piret J P; Barbieux A; Raes M; Michiels C (Reprint)

CORPORATE SOURCE: Fac Univ Notre Dame Paix, Lab Biochim & Biol Cellulaire, 61 Rue Bruxelles, B-5000 Namur, Belgium (Reprint); Fac Univ Notre Dame Paix, Lab Biochim & Biol Cellulaire, B-5000 Namur, Belgium

COUNTRY OF AUTHOR: Belgium

SOURCE: EXPERIMENTAL CELL RESEARCH, (15 APR 2001) Vol. 265, No. 1, pp. 114-124.

Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495 USA.

ISSN: 0014-4827.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 42

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 100 OF 175 MEDLINE on STN DUPLICATE 55

ACCESSION NUMBER: 2001574643 MEDLINE Full-text

DOCUMENT NUMBER: PubMed ID: 11682062

TITLE: Cycloprodigiosin hydrochloride suppresses tumor necrosis factor (TNF) alpha-induced transcriptional activation by NF-kappaB.

AUTHOR: Kamata K; Okamoto S; Oka S; Kamata H; Yagisawa H; Hirata H  
CORPORATE SOURCE: Department of Life Science, Faculty of Science, Himeji Institute of Technology, kamigori-chou, Akoh-gun, 678-1297, Hyogo, Japan.

SOURCE: FEBS letters, (2001 Oct 19) 507 (1) 74-80.

Journal code: 0155157. ISSN: 0014-5793.

PUB. COUNTRY: Netherlands

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200112

ENTRY DATE: Entered STN: 20011030

Last Updated on STN: 20020420

Entered Medline: 20011207

L8 ANSWER 101 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:293122 CAPLUS Full-text

DOCUMENT NUMBER: 135:355993

TITLE: Abnormal NF-kB signaling pathway with enhanced susceptibility to apoptosis in immortalized keratinocytes

AUTHOR(S): Chaturvedi, V.; Qin, J.-Z.; Denning, M. F.; Choubey, D.; Diaz, M. O.; Nickoloff, B. J.

CORPORATE SOURCE: Skin Cancer Research Laboratories, Department of Pathology, Loyola University Medical Center, Cardinal Bernardin Center, Maywood, IL, 60153, USA

SOURCE: Journal of Dermatological Science (2001), 26(1), 67-78  
CODEN: JDSCEI; ISSN: 0923-1811

PUBLISHER: Elsevier Science Ireland Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 102 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2002:263716 BIOSIS Full-text

DOCUMENT NUMBER: PREV200200263716

TITLE: The apoptosome is a target of Jun kinase in nitric oxide-induced cardiac myocyte apoptosis.

AUTHOR(S): Andreka, Peter [Reprint author]; Dougherty, Christopher [Reprint author]; Slepak, Tatiana I. [Reprint author]; Webster, Keith A. [Reprint author]; Bishopric, Nanette H. [Reprint author]

CORPORATE SOURCE: Univ of Miami Sch of Med, Miami, FL, USA

SOURCE: Circulation, (October 23, 2001) Vol. 104, No. 17 Supplement, pp. II.142. print.



Meeting Info.: Scientific Sessions 2001 of the American Heart Association. Anaheim, California, USA. November 11-14, 2001. American Heart Association.  
CODEN: CIRCAZ. ISSN: 0009-7322.

DOCUMENT TYPE: Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LANGUAGE: English  
ENTRY DATE: Entered STN: 1 May 2002  
Last Updated on STN: 1 May 2002

L8 ANSWER 103 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
ACCESSION NUMBER: 2000:179131 BIOSIS Full-text  
DOCUMENT NUMBER: PREV200000179131  
TITLE: The gene MAPK8IP1, encoding islet-brain-1, is a candidate for type 2 diabetes.  
AUTHOR(S): Waeber, Gerard [Reprint author]; Delplanque, Jerome; Bonny, Christophe; Mooser, Vincent; Steinmann, Myriam; Widmann, Christian; Maillard, Anne; Miklossy, Judith; Dina, Christian; Hani, El Habib; Vionnet, Nathalie; Nicod, Pascal; Boutin, Philippe; Froguel, Philippe  
CORPORATE SOURCE: Department of Internal Medicine, CHUV-University Hospital, Lausanne, Switzerland  
SOURCE: Nature Genetics, (March, 2000) Vol. 24, No. 3, pp. 291-295. print.  
ISSN: 1061-4036.  
DOCUMENT TYPE: Letter  
LANGUAGE: English  
ENTRY DATE: Entered STN: 11 May 2000  
Last Updated on STN: 4 Jan 2002

L8 ANSWER 104 OF 175 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN DUPLICATE  
56  
ACCESSION NUMBER: 2000-195102 [17] WPIDS Full-text  
DOC. NO. NON-CPI: N2000-144378  
DOC. NO. CPI: C2000-060432  
TITLE: New MEK kinase interacting forkhead associated protein (MIF1) useful to treat or diagnose, e.g. inflammation and tumors, and to identify its specific modulators, to regulate MEK kinase activity.  
DERWENT CLASS: B04 D16 S03  
INVENTOR(S): MARCIREAU, C; MULTON, M; POLARD-HOUSSET, V  
PATENT ASSIGNEE(S): (AVET) AVENTIS PHARMA SA; (RHON) RHONE-POULENC RORER SA  
COUNTRY COUNT: 78  
PATENT INFORMATION:

| PATENT NO  | KIND | DATE     | WEEK      | LA | PG  |
|--|------|----------|-----------|----|-----|
| WO 2000005362  | A1   | 20000203 | (200017)* | EN | 78  |
| RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL<br>OA PT SD SE SL SZ UG ZW   |      |          |           |    |     |
| W: AE AL AU BA BB BG BR CA CN CU CZ GD GE HR HU ID IL IN IS JP KP KR<br>LC LK LR LT LV MG MK MN MX NO NZ PL RO RU SG SI SK SL TR TT UA US<br>UZ VN YU ZA |      |          |           |    |     |
| AU 9955057   | A    | 20000214 | (200029)  |    |     |
| EP 1100913   | A1   | 20010523 | (200130)  | EN |     |
| R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT<br>RO SE SI   |      |          |           |    |     |
| JP 2002524026  | W    | 20020806 | (200266)  |    | 107 |
| AU 764094  | B    | 20030807 | (200362)  |    |     |

APPLICATION DETAILS:

| PATENT NO     | KIND | APPLICATION    | DATE     |
|---------------|------|----------------|----------|
| WO 2000005362 | A1   | WO 1999-EP5142 | 19990721 |
| AU 9955057    | A    | AU 1999-55057  | 19990721 |
| EP 1100913    | A1   | EP 1999-941444 | 19990721 |
|               |      | WO 1999-EP5142 | 19990721 |
| JP 2002524026 | W    | WO 1999-EP5142 | 19990721 |
|               |      | JP 2000-561308 | 19990721 |
| AU 764094     | B    | AU 1999-55057  | 19990721 |

FILING DETAILS:

| PATENT NO | KIND | PATENT NO |
|-----------|------|-----------|
|-----------|------|-----------|

|               |    |                            |                             |
|---------------|----|----------------------------|-----------------------------|
| AU 9955057    | A  | Based on                   | WO 2000005362               |
| EP 1100913    | A1 | Based on                   | WO 2000005362               |
| JP 2002524026 | W  | Based on                   | WO 2000005362               |
| AU 764094     | B  | Previous Publ.<br>Based on | AU 9955057<br>WO 2000005362 |

PRIORITY APPLN. INFO: US 1998-93590P 19980721

L8 ANSWER 105 OF 175 MEDLINE on STN DUPLICATE 57

ACCESSION NUMBER: 2001098470 MEDLINE Full-text

DOCUMENT NUMBER: PubMed ID: 10986282

TITLE: Activation of mitogen-activated protein kinase pathways induces antioxidant response element-mediated gene expression via a Nrf2-dependent mechanism.

AUTHOR: Yu R; Chen C; Mo Y Y; Hebbar V; Owuor E D; Tan T H; Kong A N

CORPORATE SOURCE: Department of Pharmaceutics and Pharmacodynamics and Center for Pharmaceutical Biotechnology, College of Pharmacy, University of Illinois, Chicago, Illinois 60612, USA.

CONTRACT NUMBER: R01AI38649 (NIAID)  
R01AI42532 (NIAID)  
R01CA73647 (NCI)

SOURCE: Journal of biological chemistry, (2000 Dec 22) 275 (51) 39907-13.  
Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200102

ENTRY DATE: Entered STN: 20010322  
Last Updated on STN: 20010322  
Entered Medline: 20010201

L8 ANSWER 106 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 2000:896939 SCISEARCH Full-text

THE GENUINE ARTICLE: 375VW

TITLE: Ceramide directly activates protein kinase C zeta to regulate a stress-activated protein kinase signaling complex

AUTHOR: Bourbon N A; Yun J; Kester M (Reprint)

CORPORATE SOURCE: PENN STATE UNIV, MILTON S HERSHEY MED CTR, DEPT PHARMACOL, COLL MED, POB 850, HERSHEY, PA 17033 (Reprint); PENN STATE UNIV, MILTON S HERSHEY MED CTR, DEPT PHARMACOL, COLL MED, HERSHEY, PA 17033

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (10 NOV 2000) Vol. 275, No. 45, pp. 35617-35623.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: English

REFERENCE COUNT: 42

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 107 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 58

ACCESSION NUMBER: 2000:433368 SCISEARCH Full-text

THE GENUINE ARTICLE: 320FY

TITLE: IB1 reduces cytokine-induced apoptosis of insulin-secreting cells

AUTHOR: Bonny C (Reprint); Oberson A; Steinmann M; Schorderet D F; Nicod P; Waeber G

CORPORATE SOURCE: CHUV UNIV HOSP, DIV MED GENET, CH-1011 LAUSANNE, SWITZERLAND (Reprint); CHUV UNIV HOSP, DEPT INTERNAL MED, CH-1011 LAUSANNE, SWITZERLAND

COUNTRY OF AUTHOR: SWITZERLAND

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2 JUN 2000) Vol. 275, No. 22, pp. 16466-16472.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 42

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 108 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE  
59

ACCESSION NUMBER: 2000:378639 SCISEARCH Full-text  
THE GENUINE ARTICLE: 313NZ  
TITLE: Analysis of domains in the IKK alpha and IKK beta proteins  
that regulate their kinase activity  
AUTHOR: Kwak Y T; Guo J; Shen J; Gaynor R B (Reprint)  
CORPORATE SOURCE: UNIV TEXAS, SW MED CTR, DEPT MED, DIV HEMATOL ONCOL, 5323  
HARRY HINES BLVD, DALLAS, TX 75235 (Reprint); UNIV TEXAS,  
SW MED CTR, DEPT MED, DIV HEMATOL ONCOL, DALLAS, TX 75235  
COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (12 MAY 2000) Vol. 275,  
No. 19, pp. 14752-14759.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
ISSN: 0021-9258.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 47

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 109 OF 175 MEDLINE on STN DUPLICATE 60

ACCESSION NUMBER: 2000261528 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10799486  
TITLE: Rb protein down-regulates the stress-activated signals  
through inhibiting c-Jun N-terminal kinase/stress-activated  
protein kinase.  
AUTHOR: Shim J; Park H S; Kim M J; Park J; Park E; Cho S G; Eom S  
J; Lee H W; Joe C O; Choi E J  
CORPORATE SOURCE: National Creative Research Initiative Center for Cell  
Death, Graduate School of Biotechnology, Korea University,  
Seoul, 136-701, Korea.  
SOURCE: Journal of biological chemistry, (2000 May 12) 275 (19)  
14107-11.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200006  
ENTRY DATE: Entered STN: 20000616  
Last Updated on STN: 20000616  
Entered Medline: 20000608

L8 ANSWER 110 OF 175 MEDLINE on STN DUPLICATE 61

ACCESSION NUMBER: 2000200458 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10734112  
TITLE: Activation of p38 and c-Jun N-terminal kinase pathways and  
induction of apoptosis by chelerythrine do not  
require inhibition of protein kinase C.  
AUTHOR: Yu R; Mandlekar S; Tan T H; Kong A N  
CORPORATE SOURCE: Department of Pharmaceuticals and Pharmacodynamics, Center  
for Pharmaceutical Biotechnology, College of Pharmacy,  
University of Illinois, Chicago, Illinois 60612, USA.  
CONTRACT NUMBER: R01-AI38649 (NIAID)  
R01-CA73647 (NCI)  
SOURCE: Journal of biological chemistry, (2000 Mar 31) 275 (13)  
9612-9.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200005  
ENTRY DATE: Entered STN: 20000512  
Last Updated on STN: 20000512  
Entered Medline: 20000504

L8 ANSWER 111 OF 175 MEDLINE on STN DUPLICATE 62  
 ACCESSION NUMBER: 2001015942 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 11003676  
 TITLE: A novel AP-1 element in the CD95 ligand promoter is required for induction of apoptosis in hepatocellular carcinoma cells upon treatment with anticancer drugs.  
 AUTHOR: Eichhorst S T; Muller M; Li-Weber M; Schulze-Bergkamen H; Angel P; Krammer P H  
 CORPORATE SOURCE: Tumor Immunology Program, 69120 Heidelberg, Germany.  
 SOURCE: Molecular and cellular biology, (2000 Oct) 20 (20) 7826-37. Journal code: 8109087. ISSN: 0270-7306.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200010  
 ENTRY DATE: Entered STN: 20010322  
 Last Updated on STN: 20010322  
 Entered Medline: 20001030

L8 ANSWER 112 OF 175 MEDLINE on STN DUPLICATE 63  
 ACCESSION NUMBER: 2000388509 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 10891478  
 TITLE: Role for Lyn tyrosine kinase as a regulator of stress-activated protein kinase activity in response to DNA damage.  
 AUTHOR: Yoshida K; Weichselbaum R; Kharbanda S; Kufe D  
 CORPORATE SOURCE: Dana-Farber Cancer Institute, Harvard Medical School, Boston, Massachusetts 02115, USA.  
 CONTRACT NUMBER: CA29431 (NCI)  
 CA55241 (NCI)  
 CA75216 (NCI)  
 SOURCE: Molecular and cellular biology, (2000 Aug) 20 (15) 5370-80. Journal code: 8109087. ISSN: 0270-7306.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200008  
 ENTRY DATE: Entered STN: 20000818  
 Last Updated on STN: 20020420  
 Entered Medline: 20000810

L8 ANSWER 113 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
 ACCESSION NUMBER: 2000:774508 SCISEARCH Full-text  
 THE GENUINE ARTICLE: 362BK  
 TITLE: Accumulation of RXR alpha during activation of cycling human T lymphocytes: Modulation of RXRE transactivation function by mitogen-activated protein kinase pathways  
 AUTHOR: Ishaq M (Reprint); Fan M; Natarajan V  
 CORPORATE SOURCE: SCI APPLICAT INT CORP, NCI, FREDERICK CANC RES & DEV CTR, MOL CELL BIOL LAB, BLDG 550, ROOM 104, FREDERICK, MD 21702 (Reprint)  
 COUNTRY OF AUTHOR: USA  
 SOURCE: JOURNAL OF IMMUNOLOGY, (15 OCT 2000) Vol. 165, No. 8, pp. 4217-4225. Publisher: AMER ASSOC IMMUNOLOGISTS, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814. ISSN: 0022-1767.  
 DOCUMENT TYPE: Article; Journal  
 FILE SEGMENT: LIFE  
 LANGUAGE: English  
 REFERENCE COUNT: 55  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 114 OF 175 MEDLINE on STN DUPLICATE 64  
 ACCESSION NUMBER: 2000502824 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 11051267  
 TITLE: Cyclic GMP mediates apoptosis induced by sulindac derivatives via activation of c-Jun NH2-terminal kinase 1.  
 COMMENT: Erratum in: Clin Cancer Res 2000 Dec;6(12):4967  
 AUTHOR: Soh J W; Mao Y; Kim M G; Pamukcu R; Li H; Piazza G A; Thompson W J; Weinstein I B  
 CORPORATE SOURCE: Department of Medicine and Herbert Irving Comprehensive

Cancer Center, College of Physicians and Surgeons, Columbia University, New York, New York 10032, USA.  
SOURCE: Clinical cancer research : an official journal of the American Association for Cancer Research, (2000 Oct) 6 (10) 4136-41.  
Journal code: 9502500. ISSN: 1078-0432.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200103  
ENTRY DATE: Entered STN: 20010404  
Last Updated on STN: 20020420  
Entered Medline: 20010322

L8 ANSWER 115 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2000:233134 SCISEARCH Full-text  
THE GENUINE ARTICLE: 295DL  
TITLE: Interaction among mitochondria, mitogen-activated protein kinases, and nuclear factor-kappa B in cellular models of Parkinson's disease  
AUTHOR: Cassarino D S; Halvorsen E M; Swerdlow R H; Abramova N N; Parker W D; Sturgill T W; Bennett J P (Reprint)  
CORPORATE SOURCE: UNIV VIRGINIA, HLTH SCI CTR, DEPT NEUROL, BOX 394, CHARLOTTESVILLE, VA 22908 (Reprint); UNIV VIRGINIA, HLTH SCI CTR, DEPT NEUROL, CHARLOTTESVILLE, VA 22908; UNIV VIRGINIA, HLTH SCI CTR, CTR STUDY NEUORDEGENERAT DIS, CHARLOTTESVILLE, VA 22908; UNIV VIRGINIA, HLTH SCI CTR, MARKEY CTR CELL SIGNALING, CHARLOTTESVILLE, VA 22908; UNIV VIRGINIA, HLTH SCI CTR, DEPT PHARMACOL, CHARLOTTESVILLE, VA 22908; UNIV VIRGINIA, HLTH SCI CTR, DEPT BEHAV MED, CHARLOTTESVILLE, VA 22908; UNIV VIRGINIA, HLTH SCI CTR, DEPT INTERNAL MED, CHARLOTTESVILLE, VA 22908; UNIV VIRGINIA, HLTH SCI CTR, HOWARD HUGHES MED INST, CHARLOTTESVILLE, VA 22908  
COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF NEUROCHEMISTRY, (APR 2000) Vol. 74, No. 4, pp. 1384-1392.  
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621.  
ISSN: 0022-3042.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 49  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 116 OF 175 MEDLINE on STN DUPLICATE 65  
ACCESSION NUMBER: 2000405305 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10903735  
TITLE: Fas ligand-induced c-Jun kinase activation in lymphoid cells requires extensive receptor aggregation but is independent of DAXX, and Fas-mediated cell death does not involve DAXX, RIP, or RAIDD.  
AUTHOR: Villunger A; Huang D C; Holler N; Tschopp J; Strasser A  
CORPORATE SOURCE: The Walter and Eliza Hall Institute, Melbourne, Australia; and Institute of Biochemistry, University of Lausanne, Epalinges, Switzerland.  
SOURCE: Journal of immunology (Baltimore, Md. : 1950), (2000 Aug 1) 165 (3) 1337-43.  
Journal code: 2985117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 200008  
ENTRY DATE: Entered STN: 20000901  
Last Updated on STN: 20000901  
Entered Medline: 20000822

L8 ANSWER 117 OF 175 MEDLINE on STN DUPLICATE 66  
ACCESSION NUMBER: 2000243955 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10780954  
TITLE: GLUT-1 reduces hypoxia-induced apoptosis and JNK pathway activation.

AUTHOR: Lin Z; Weinberg J M; Malhotra R; Merritt S E; Holzman L B; Brosius F C 3rd  
 CORPORATE SOURCE: Division of Nephrology, Department of Internal Medicine, University of Michigan Medical School and Ann Arbor Veterans Affairs Hospital, Ann Arbor, Michigan 48109-0676, USA.  
 CONTRACT NUMBER: R01 HL-60156 (NHLBI)  
 SOURCE: American journal of physiology. Endocrinology and metabolism, (2000 May) 278 (5) E958-66.  
 Journal code: 100901226. ISSN: 0193-1849.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200006  
 ENTRY DATE: Entered STN: 20000616  
 Last Updated on STN: 20000616  
 Entered Medline: 20000608

L8 ANSWER 118 OF 175 MEDLINE on STN DUPLICATE 67  
 ACCESSION NUMBER: 2001046657 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 11086177  
 TITLE: The mechanism of geranylgeraniol-induced apoptosis involves activation, by a caspase-3-like protease, of a c-jun N-terminal kinase signaling cascade and differs from mechanisms of apoptosis induced by conventional chemotherapeutic drugs.  
 AUTHOR: Masuda Y; Nakaya M; Aiuchi T; Hashimoto S; Nakajo S; Nakaya K  
 CORPORATE SOURCE: Laboratory of Biological Chemistry, School of Pharmaceutical Sciences, Showa University, Tokyo, Japan.  
 SOURCE: Leukemia research, (2000 Nov) 24 (11) 937-50.  
 Journal code: 7706787. ISSN: 0145-2126.  
 PUB. COUNTRY: ENGLAND: United Kingdom  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200012  
 ENTRY DATE: Entered STN: 20010322  
 Last Updated on STN: 20020420  
 Entered Medline: 20001204

L8 ANSWER 119 OF 175 MEDLINE on STN DUPLICATE 68  
 ACCESSION NUMBER: 2001102165 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 11107164  
 TITLE: Akt negatively regulates the cJun N-terminal kinase pathway in PC12 cells.  
 AUTHOR: Levresse V; Butterfield L; Zentrich E; Heasley L E  
 CORPORATE SOURCE: Department of Medicine, University of Colorado Health Sciences Center, Denver, Colorado 80262, USA.  
 CONTRACT NUMBER: CA 58157 (NCI)  
 DK 59756 (NIDDK)  
 SOURCE: Journal of neuroscience research, (2000 Dec 15) 62 (6) 799-808.  
 Journal code: 7600111. ISSN: 0360-4012.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200101  
 ENTRY DATE: Entered STN: 20010322  
 Last Updated on STN: 20010322  
 Entered Medline: 20010126

L8 ANSWER 120 OF 175 MEDLINE on STN DUPLICATE 69  
 ACCESSION NUMBER: 2001181516 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 11227217  
 TITLE: Increased apoptosis and increased clonogenic survival of 12V-H-ras transformed rat fibroblasts in response to cisplatin.  
 AUTHOR: Viktorsson K; Heiden T; Molin M; Akusjarvi G; Linder S; Shoshan M C  
 CORPORATE SOURCE: Radiumhemmet's Research Laboratory, Cancer Center Karolinska, Karolinska Institute and Hospital, Stockholm, Sweden.

SOURCE: Apoptosis : an international journal on programmed cell death, (2000 Oct) 5 (4) 355-67.  
Journal code: 9712129. ISSN: 1360-8185.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200103

ENTRY DATE: Entered STN: 20010404  
Last Updated on STN: 20020420  
Entered Medline: 20010329

L8 ANSWER 121 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 2001:54881 SCISEARCH Full-text

THE GENUINE ARTICLE: 367QE

TITLE: Targeted deletion of MEK1 in mice promotes cardiac myocyte apoptosis in response to pressure overload

AUTHOR: Yang G P (Reprint); Montagne O F; Meguro T; Asai K; Hong C; Sadoshima J; Bishop S P; Johnson G L; Vatner D E

CORPORATE SOURCE: Penn State Univ, Coll Med, Danville, PA USA; Penn State Univ, Danville, PA USA; Univ Med & Dent New Jersey, Newark, NJ 07103 USA; Univ Colorado, Denver, CO 80202 USA

COUNTRY OF AUTHOR: USA

SOURCE: CIRCULATION, (31 OCT 2000) Vol. 102, No. 18, Supp. [S], pp. 343-343. MA 1684.  
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA.  
ISSN: 0009-7322.

DOCUMENT TYPE: Conference; Journal

LANGUAGE: English

REFERENCE COUNT: 0

L8 ANSWER 122 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 70

ACCESSION NUMBER: 2000:66170 SCISEARCH Full-text

THE GENUINE ARTICLE: 275FL

TITLE: Cisplatin-resistance involves the defective processing of MEK1 in human ovarian adenocarcinoma 2008/C13 cells

AUTHOR: Gebauer G; Mirakhur B; Nguyen Q; Shore S K; Simpkins H; Dhanasekaran N (Reprint)

CORPORATE SOURCE: TEMPLE UNIV, SCH MED, FELS INST CANC RES & MOL BIOL, 3307 N BROAD ST, PHILADELPHIA, PA 19140 (Reprint); TEMPLE UNIV, SCH MED, FELS INST CANC RES & MOL BIOL, PHILADELPHIA, PA 19140; TEMPLE UNIV, SCH MED, DEPT PATHOL, PHILADELPHIA, PA 19140; TEMPLE UNIV, SCH MED, DEPT BIOCHEM, PHILADELPHIA, PA 19140

COUNTRY OF AUTHOR: USA

SOURCE: INTERNATIONAL JOURNAL OF ONCOLOGY, (FEB 2000) Vol. 16, No. 2, pp. 321-325.  
Publisher: PROFESSOR D A SPANDIDOS, 1, S MERKOURI ST, EDITORIAL OFFICE, ATHENS 116 35, GREECE.  
ISSN: 1019-6439.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: English

REFERENCE COUNT: 28

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 123 OF 175 MEDLINE on STN DUPLICATE 71

ACCESSION NUMBER: 2000164330 MEDLINE Full-text

DOCUMENT NUMBER: PubMed ID: 10700186

TITLE: The gene MAPK8IP1, encoding islet-brain-1, is a candidate for type 2 diabetes.

AUTHOR: Waeber G; Delplanque J; Bonny C; Mooser V; Steinmann M; Widmann C; Maillard A; Miklossy J; Dina C; Hani E H; Vionnet N; Nicod P; Boutin P; Froguel P

CORPORATE SOURCE: Department of Internal Medicine, CHUV-University Hospital, Lausanne, Switzerland.. gwaeber@chuv.hospvd.ch

SOURCE: Nature genetics, (2000 Mar) 24 (3) 291-5.  
Journal code: 9216904. ISSN: 1061-4036.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200004  
ENTRY DATE: Entered STN: 20000413  
Last Updated on STN: 20000413  
Entered Medline: 20000407

L8 ANSWER 124 OF 175 MEDLINE on STN DUPLICATE 72  
ACCESSION NUMBER: 2000063180 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10594023  
TITLE: Increased expression of death receptors 4 and 5 synergizes  
the apoptosis response to combined treatment with  
etoposide and TRAIL.  
AUTHOR: Gibson S B; Oyer R; Spalding A C; Anderson S M; Johnson G L  
CORPORATE SOURCE: Program in Molecular Signal Transduction, Division of Basic  
Sciences, National Jewish Medical and Research Center,  
Denver, Colorado 80206, USA.  
CONTRACT NUMBER: DK37871 (NIDDK)  
DK48845 (NIDDK)  
GM303024 (NIGMS)  
+  
SOURCE: Molecular and cellular biology, (2000 Jan) 20 (1) 205-12.  
Journal code: 8109087. ISSN: 0270-7306.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200001  
ENTRY DATE: Entered STN: 20000124  
Last Updated on STN: 20000124  
Entered Medline: 20000110

L8 ANSWER 125 OF 175 MEDLINE on STN DUPLICATE 73  
ACCESSION NUMBER: 2000329219 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10872818  
TITLE: Axin-induced apoptosis depends on the extent of  
its JNK activation and its ability to down-regulate  
beta-catenin levels.  
AUTHOR: Neo S Y; Zhang Y; Yaw L P; Li P; Lin S C  
CORPORATE SOURCE: Regulatory Biology Laboratory, Institute of Molecular and  
Cell Biology, National University of Singapore, Republic of  
Singapore.  
SOURCE: Biochemical and biophysical research communications, (2000  
May 27) 272 (1) 144-50.  
Journal code: 0372516. ISSN: 0006-291X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200007  
ENTRY DATE: Entered STN: 20000728  
Last Updated on STN: 20020420  
Entered Medline: 20000717

L8 ANSWER 126 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 2000:681427 SCISEARCH Full-text  
THE GENUINE ARTICLE: 350GE  
TITLE: Cytoskeletal disruption accelerates caspase-3 activation  
and alters the intracellular membrane reorganization in  
DNA damage-induced apoptosis  
AUTHOR: Yamazaki Y (Reprint); Tsuruga M; Zhou D; Fujita Y; Shang X  
Y; Dang Y; Kawasaki K; Oka S  
CORPORATE SOURCE: AGCY IND SCI & TECHNOL, NATL INST BIOSCI & HUMAN TECHNOL,  
1-1 HIGASHI, TSUKUBA, IBARAKI 3058566, JAPAN (Reprint)  
COUNTRY OF AUTHOR: JAPAN  
SOURCE: EXPERIMENTAL CELL RESEARCH, (25 AUG 2000) Vol. 259, No. 1,  
pp. 64-78.  
Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN  
DIEGO, CA 92101-4495.  
ISSN: 0014-4827.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 63  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*



L8 ANSWER 127 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 ACCESSION NUMBER: 2001:112403 BIOSIS Full-text  
 DOCUMENT NUMBER: PREV200100112403  
 TITLE: Targeted deletion of MEKK1 in mice promotes  
 cardiac myocyte apoptosis in response to pressure  
 overload.  
 AUTHOR(S): Yang, Gui-Ping [Reprint author]; Montagne, Olivier F.  
 [Reprint author]; Meguro, Tomomi; Asai, Kuniya; Hong,  
 Chull; Sadoshima, Junichi; Bishop, Sanford P.; Johnson,  
 Gary L.; Vatner, Dorothy E.  
 CORPORATE SOURCE: Penn State Univ Coll of Medicine, Danville, PA, USA  
 SOURCE: Circulation, (October 31, 2000) Vol. 102, No. 18  
 Supplement, pp. II.343. print.  
 Meeting Info.: Abstracts from American Heart Association  
 Scientific Sessions 2000. New Orleans, Louisiana, USA.  
 November 12-15, 2000. American Heart Association.  
 CODEN: CIRCAZ. ISSN: 0009-7322.  
 DOCUMENT TYPE: Conference; (Meeting)  
 Conference; Abstract; (Meeting Abstract)  
 LANGUAGE: English  
 ENTRY DATE: Entered STN: 28 Feb 2001  
 Last Updated on STN: 15 Feb 2002

L8 ANSWER 128 OF 175 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN DUPLICATE  
 74  
 ACCESSION NUMBER: 1999-508649 [42] WPIDS Full-text  
 CROSS REFERENCE: 1999-571843 [48]; 2002-462905 [49]  
 DOC. NO. NON-CPI: N1999-379027  
 DOC. NO. CPI: C1999-148629  
 TITLE: A new mammalian serine-threonine protein kinase for  
 treating disorder characterized by aberration of the  
 enzyme gene.  
 DERWENT CLASS: B04 D16 S03  
 INVENTOR(S): JOHNSON, G L  
 PATENT ASSIGNEE(S): (CADU-N) CADUS PHARM CORP; (NAJE-N) NAT JEWISH CENT  
 IMMUNOLOGY & RESPIRATORY  
 COUNTRY COUNT: 84  
 PATENT INFORMATION:

| PATENT NO   | KIND | DATE     | WEEK      | LA | PG  |
|---|------|----------|-----------|----|-----|
| WO 9941385  | A1   | 19990819 | (199942)* | EN | 105 |
| RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL |      |          |           |    |     |
| OA PT SD SE SZ UG ZW  |      |          |           |    |     |
| W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD  |      |          |           |    |     |
| GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV     |      |          |           |    |     |
| MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT     |      |          |           |    |     |
| UA UG US UZ VN YU ZW  |      |          |           |    |     |
| AU 9932895  | A    | 19990830 | (200003)  |    |     |
| US 2002146798   | A1   | 20021010 | (200269)  |    |     |

# APPLICATION DETAILS:

| PATENT NO     | KIND           | APPLICATION    | DATE     |
|---------------|----------------|----------------|----------|
| WO 9941385    | A1             | WO 1999-US2974 | 19990212 |
| AU 9932895    | A              | AU 1999-32895  | 19990212 |
| US 2002146798 | A1 Provisional | US 1998-78153P | 19980316 |
|               | Provisional    | US 1998-99165P | 19980904 |
|               | Cont of        | US 2000-423890 | 20000306 |
|               |                | US 2001-864    | 20011031 |

# FILING DETAILS:

| PATENT NO  | KIND       | PATENT NO  |
|------------|------------|------------|
| AU 9932895 | A Based on | WO 9941385 |

PRIORITY APPLN. INFO: US 1998-23130 19980213

L8 ANSWER 129 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
 ACCESSION NUMBER: 1999:943601 SCISEARCH Full-text  
 THE GENUINE ARTICLE: 260XW  
 TITLE: Axin forms a complex with MEKK1 and activates  
 c-Jun NH2-terminal kinase/stress-activated protein kinase

through domains distinct from Wnt signaling

AUTHOR: Zhang Y; Neo S Y; Wang X H; Han J H; Lin S C (Reprint)

CORPORATE SOURCE: NATL UNIV SINGAPORE, INST MOL & CELL BIOL, REGULATORY BIOL  
LAB, 30 MED DR, SINGAPORE 117609, SINGAPORE (Reprint);  
NATL UNIV SINGAPORE, INST MOL & CELL BIOL, REGULATORY BIOL  
LAB, SINGAPORE 117609, SINGAPORE; SCRIPPS CLIN & RES INST,  
DEPT IMMUNOL, LA JOLLA, CA 92037

COUNTRY OF AUTHOR: SINGAPORE; USA

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (3 DEC 1999) Vol. 274,  
No. 49, pp. 35247-35254.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: English

REFERENCE COUNT: 53

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 130 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 1999:921944 SCISEARCH Full-text

THE GENUINE ARTICLE: 258UL

TITLE: The human T-cell leukemia virus type-1 Tax protein  
regulates the activity of the I kappa B kinase complex

AUTHOR: Li X H; Murphy K M; Palka K T; Surabhi R M; Gaynor R B  
(Reprint)

CORPORATE SOURCE: UNIV TEXAS, SW MED CTR, DEPT MED, DIV HEMATOL ONCOL,  
SIMMONS CANC CTR, 5323 HARRY HINES BLVD, DALLAS, TX 75235  
(Reprint); UNIV TEXAS, SW MED CTR, DEPT MED, DIV HEMATOL  
ONCOL, SIMMONS CANC CTR, DALLAS, TX 75235

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (26 NOV 1999) Vol. 274,  
No. 48, pp. 34417-34424.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: English

REFERENCE COUNT: 76

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 131 OF 175 MEDLINE on STN DUPLICATE 75

ACCESSION NUMBER: 2000002631 MEDLINE Full-text

DOCUMENT NUMBER: PubMed ID: 10531305

TITLE: Quinone reductase inhibitors block SAPK/JNK and NFkappaB  
pathways and potentiate apoptosis.

AUTHOR: Cross J V; Deak J C; Rich E A; Qian Y; Lewis M; Parrott L  
A; Mochida K; Gustafson D; Vande Pol S; Templeton D J

CORPORATE SOURCE: Department of Medicine, Institute of Pathology, Case  
Western Reserve University, Cleveland, Ohio 44106, USA.

CONTRACT NUMBER: CA-66134 (NCI)  
HL-09249-01 (NHLBI)  
HL-57940 (NHLBI)  
+

SOURCE: Journal of biological chemistry, (1999 Oct 29) 274 (44)  
31150-4.  
Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199912

ENTRY DATE: Entered STN: 20000113  
Last Updated on STN: 20000113  
Entered Medline: 19991216

L8 ANSWER 132 OF 175 MEDLINE on STN DUPLICATE 76

ACCESSION NUMBER: 1999452949 MEDLINE Full-text

DOCUMENT NUMBER: PubMed ID: 10521444

TITLE: Tumor necrosis factor-related apoptosis-inducing  
ligand receptors signal NF-kappaB and JNK activation and  
apoptosis through distinct pathways.

AUTHOR: Hu W H; Johnson H; Shu H B

CORPORATE SOURCE: National Jewish Medical and Research Center, Division of

Basic Immunology, Department of Immunology, Denver,  
Colorado 80206, USA.

SOURCE: Journal of biological chemistry, (1999 Oct 22) 274 (43)  
30603-10.  
Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199911  
ENTRY DATE: Entered STN: 20000111  
Last Updated on STN: 20020420  
Entered Medline: 19991123

L8 ANSWER 133 OF 175 MEDLINE on STN DUPLICATE 77  
ACCESSION NUMBER: 1999329027 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10400639  
TITLE: The function of HSP72 in suppression of c-Jun N-terminal  
kinase activation can be dissociated from its role in  
prevention of protein damage.  
AUTHOR: Yaglom J A; Gabai V L; Meriin A B; Mosser D D; Sherman M Y  
CORPORATE SOURCE: Boston Biomedical Research Institute, Boston, Massachusetts  
02114, USA.  
SOURCE: Journal of biological chemistry, (1999 Jul 16) 274 (29)  
20223-8.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199908  
ENTRY DATE: Entered STN: 19990827  
Last Updated on STN: 19990827  
Entered Medline: 19990819

L8 ANSWER 134 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1999:441659 CAPLUS Full-text  
DOCUMENT NUMBER: 131:182865  
TITLE: Activation of the c-Jun N-terminal  
kinase/stress-activated protein kinase pathway by  
overexpression of caspase-8 and its homologs  
AUTHOR(S): Chaudhary, Preet M.; Eby, Michael T.; Jasmin, Alan;  
Hood, Leroy  
CORPORATE SOURCE: Hamon Center for Therapeutic Oncology Research,  
University of Texas Southwestern Medical Center,  
Dallas, TX, 75235-8593, USA  
SOURCE: Journal of Biological Chemistry (1999), 274(27),  
19211-19219  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular  
Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 135 OF 175 MEDLINE on STN DUPLICATE 78  
ACCESSION NUMBER: 2000079618 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10611349  
TITLE: MEKK1 suppresses oxidative stress-induced  
apoptosis of embryonic stem cell-derived cardiac  
myocytes.  
AUTHOR: Minamino T; Yujiri T; Papst P J; Chan E D; Johnson G L;  
Terada N  
CORPORATE SOURCE: Program in Molecular Signal Transduction, Division of Basic  
Sciences, Department of Pediatrics, National Jewish Medical  
and Research Center, Denver, CO 80206, USA.  
CONTRACT NUMBER: CA64685 (NCI)  
DK37381 (NIDDK)  
HL03625 (NHLBI)  
+  
SOURCE: Proceedings of the National Academy of Sciences of the  
United States of America, (1999 Dec 21) 96 (26) 15127-32.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200001  
ENTRY DATE: Entered STN: 20000204  
Last Updated on STN: 20020420  
Entered Medline: 20000127

L8 ANSWER 136 OF 175 MEDLINE on STN DUPLICATE 79  
ACCESSION NUMBER: 1999230282 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10212239  
TITLE: MEK kinase 1 (MEKK1) transduces c-Jun  
NH2-terminal kinase activation in response to changes in  
the microtubule cytoskeleton.  
AUTHOR: Yujiri T; Fanger G R; Garrington T P; Schlesinger T K;  
Gibson S; Johnson G L  
CORPORATE SOURCE: Program in Molecular Signal Transduction, Division of Basic  
Sciences, National Jewish Medical and Research Center,  
Denver, Colorado 80206, USA.  
CONTRACT NUMBER: DK37871 (NIDDK)  
DK48845 (NIDDK)  
GM30324 (NIGMS)  
+  
SOURCE: Journal of biological chemistry, (1999 Apr 30) 274 (18)  
12605-10.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199906  
ENTRY DATE: Entered STN: 19990614  
Last Updated on STN: 20020420  
Entered Medline: 19990603

L8 ANSWER 137 OF 175 MEDLINE on STN DUPLICATE 80  
ACCESSION NUMBER: 1999214163 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10196170  
TITLE: Differential involvement of MEK kinase 1 (MEKK1)  
in the induction of apoptosis in response to  
microtubule-targeted drugs versus DNA damaging agents.  
AUTHOR: Gibson S; Widmann C; Johnson G L  
CORPORATE SOURCE: Program in Molecular Signal Transduction, Division of Basic  
Sciences, National Jewish Medical and Research Center,  
Denver, Colorado, 80206, USA.  
CONTRACT NUMBER: DK 37871 (NIDDK)  
DK 48845 (NIDDK)  
GM 30324 (NIGMS)  
+  
SOURCE: Journal of biological chemistry, (1999 Apr 16) 274 (16)  
10916-22.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199905  
ENTRY DATE: Entered STN: 19990601  
Last Updated on STN: 20020420  
Entered Medline: 19990517

L8 ANSWER 138 OF 175 MEDLINE on STN DUPLICATE 81  
ACCESSION NUMBER: 1999455228 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10523828  
TITLE: Hematopoietic progenitor kinase-1 (HPK1) stress response  
signaling pathway activates IkappaB kinases  
(IKK-alpha/beta) and IKK-beta is a developmentally  
regulated protein kinase.  
AUTHOR: Hu M C; Wang Y p; Qiu W R; Mikhail A; Meyer C F; Tan T H  
CORPORATE SOURCE: Department of Cell Biology, Amgen, Inc., Thousand Oaks,  
California, CA 91320, USA.  
SOURCE: Oncogene, (1999 Sep 30) 18 (40) 5514-24.  
Journal code: 8711562. ISSN: 0950-9232.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199911  
ENTRY DATE: Entered STN: 20000111  
Last Updated on STN: 20020420  
Entered Medline: 19991105

L8 ANSWER 139 OF 175 MEDLINE on STN DUPLICATE 82  
ACCESSION NUMBER: 1999303806 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10373563  
TITLE: Mitogen-activated protein kinase kinase kinase 1 activates  
androgen receptor-dependent transcription and  
apoptosis in prostate cancer.  
AUTHOR: Abreu-Martin M T; Chari A; Palladino A A; Craft N A;  
Sawyers C L  
CORPORATE SOURCE: Department of Medicine, Cedars-Sinai Medical Center, Los  
Angeles, California 90095, USA.  
SOURCE: Molecular and cellular biology, (1999 Jul) 19 (7) 5143-54.  
Journal code: 8109087. ISSN: 0270-7306.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199907  
ENTRY DATE: Entered STN: 19990730  
Last Updated on STN: 20020420  
Entered Medline: 19990722

L8 ANSWER 140 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1999:727363 CAPLUS Full-text  
DOCUMENT NUMBER: 131:335753  
TITLE: Synergistic action of protein kinase C  $\theta$  and  
calcineurin is sufficient for Fas ligand expression  
and induction of a crmA-sensitive apoptosis  
pathway in Jurkat T cells  
AUTHOR(S): Villunger, Andreas; Ghaffari-Tabrizi, Nassim;  
Tinhofer, Inge; Krumbock, Nina; Bauer, Birgit;  
Schneider, Thomas; Kasibhatla, Shailaja; Greil,  
Richard; Baier-Bitterlich, Gabriele; Uberall, Florian;  
Green, Douglas R.; Baier, Gottfried  
CORPORATE SOURCE: Dep. Medical Chemistry Biochemistry, Medical School,  
Univ. Innsbruck, Innsbruck, A-6020, Austria  
SOURCE: European Journal of Immunology (1999), 29(11),  
3549-3561  
CODEN: EJIMAF; ISSN: 0014-2980  
PUBLISHER: Wiley-VCH Verlag GmbH  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 141 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 1999:95020 SCISEARCH Full-text  
THE GENUINE ARTICLE: 159QL  
TITLE: A novel human STE20-related protein kinase, HGK, that  
specifically activates the c-Jun N-terminal kinase  
signaling pathway  
AUTHOR: Yao Z B; Zhou G S; Wang X H S; Brown A; Diener K; Gan H;  
Tan T H (Reprint)  
CORPORATE SOURCE: BAYLOR COLL MED, DEPT MICROBIOL & IMMUNOL, M929, 1 BAYLOR  
PLAZA, HOUSTON, TX 77030 (Reprint); BAYLOR COLL MED, DEPT  
MICROBIOL & IMMUNOL, HOUSTON, TX 77030; AMGEN INC,  
BOULDER, CO 80301  
COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (22 JAN 1999) Vol. 274,  
No. 4, pp. 2118-2125.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
ISSN: 0021-9258.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 35  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 142 OF 175 MEDLINE on STN DUPLICATE 83  
 ACCESSION NUMBER: 1999326005 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 10400418  
 TITLE: Mitogen-activated protein kinase pathway is dispensable for microtubule-active drug-induced Raf-1/Bcl-2 phosphorylation and apoptosis in leukemia cells.  
 AUTHOR: Blagosklonny M V; Chuman Y; Bergan R C; Fojo T  
 CORPORATE SOURCE: Medicine Branch, National Cancer Institute, NIH, Bethesda, MD 20892, USA.  
 SOURCE: Leukemia : official journal of the Leukemia Society of America, Leukemia Research Fund, U.K. (1999 Jul) 13 (7) 1028-36.  
 Journal code: 8704895. ISSN: 0887-6924.  
 PUB. COUNTRY: ENGLAND: United Kingdom  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199907  
 ENTRY DATE: Entered STN: 19990806  
 Last Updated on STN: 20020420  
 Entered Medline: 19990726

L8 ANSWER 143 OF 175 MEDLINE on STN DUPLICATE 84  
 ACCESSION NUMBER: 1999124242 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 9927052  
 TITLE: Activation of c-Jun NH2-terminal kinase and subsequent CPP32/Yama during topoisomerase inhibitor beta-lapachone-induced apoptosis through an oxidation-dependent pathway.  
 AUTHOR: Shiah S G; Chuang S E; Chau Y P; Shen S C; Kuo M L  
 CORPORATE SOURCE: Institute of Toxicology, College of Medicine, National Taiwan University, Taipei.  
 SOURCE: Cancer research, (1999 Jan 15) 59 (2) 391-8.  
 Journal code: 2984705R. ISSN: 0008-5472.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199902  
 ENTRY DATE: Entered STN: 19990223  
 Last Updated on STN: 19990223  
 Entered Medline: 19990210

L8 ANSWER 144 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
 ACCESSION NUMBER: 1999:964994 SCISEARCH Full-text  
 THE GENUINE ARTICLE: 260JL  
 TITLE: Analysis of the mechanism of inhibition of apoptosis by a dominant negative mutant of MEK1.  
 AUTHOR: Mandic A (Reprint); Viktorsson K; Linder S; Shoshan M  
 CORPORATE SOURCE: KAROLINSKA HOSP & INST, CANC CTR KAROLINSKA, S-17176 STOCKHOLM, SWEDEN  
 COUNTRY OF AUTHOR: SWEDEN  
 SOURCE: CLINICAL CANCER RESEARCH, (NOV 1999) Vol. 5, Supp. [S], pp. 367-367.  
 Publisher: AMER ASSOC CANCER RESEARCH, PO BOX 11806, BIRMINGHAM, AL 35202.  
 ISSN: 1078-0432.  
 DOCUMENT TYPE: Conference; Journal  
 FILE SEGMENT: CLIN  
 LANGUAGE: English  
 REFERENCE COUNT: 0

L8 ANSWER 145 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
 ACCESSION NUMBER: 1999:964993 SCISEARCH Full-text  
 THE GENUINE ARTICLE: 260JL  
 TITLE: Dominant-negative MEK1 blocks cisplatin-induced apoptosis but does not alleviate cell cycle blocks in 12V-Ras transformed fibroblasts.  
 AUTHOR: Viktorsson K (Reprint); Heiden T; Molin M; Akusjarvi G; Linder S; Shoshan M  
 CORPORATE SOURCE: KAROLINSKA HOSP & INST, CANC CTR KAROLINSKA, S-17176 STOCKHOLM, SWEDEN; UNIV UPPSALA, DEPT MICROBIOL, S-75123 UPPSALA, SWEDEN  
 COUNTRY OF AUTHOR: SWEDEN

SOURCE: CLINICAL CANCER RESEARCH, (NOV 1999) Vol. 5, Supp. [S],  
pp. 366-366.  
Publisher: AMER ASSOC CANCER RESEARCH, PO BOX 11806,  
BIRMINGHAM, AL 35202.  
ISSN: 1078-0432.

DOCUMENT TYPE: Conference; Journal  
FILE SEGMENT: CLIN  
LANGUAGE: English  
REFERENCE COUNT: 0

L8 ANSWER 146 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
ACCESSION NUMBER: 1999:154838 BIOSIS Full-text  
DOCUMENT NUMBER: PREV199900154838  
TITLE: Regulation of primary human prostate epithelial cell  
apoptosis.  
AUTHOR(S): Morgan, Michael [Reprint author]; Lloyd, Michael; Thorburn,  
Jacqueline; Thorburn, Andrew  
CORPORATE SOURCE: Huntsman Cancer Inst., Univ. Utah, Salt Lake City, UT  
84112, USA  
SOURCE: Prostate, (March, 1999) Vol. 38, No. 4, pp. 331-332. print.  
Meeting Info.: International Symposium on Biology of  
Prostate Growth. Bethesda, Maryland, USA. March 15-18,  
1998.  
CODEN: PRSTDS. ISSN: 0270-4137.  
DOCUMENT TYPE: Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LANGUAGE: English  
ENTRY DATE: Entered STN: 16 Apr 1999  
Last Updated on STN: 16 Apr 1999

L8 ANSWER 147 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
DUPLICATE 85  
ACCESSION NUMBER: 1999:282197 BIOSIS Full-text  
DOCUMENT NUMBER: PREV199900282197  
TITLE: Molecular basis of viral apoptosis:  
Reovirus-induced apoptosis is associated with  
activation of nuclear transcription factor NFkappaB via the  
MAP kinases MEKK1 and NIK.  
AUTHOR(S): Tyler, Kenneth L. [Reprint author]; Clarke, Penny [Reprint  
author]; Widmann, Christian [Reprint author]; Johnson, Gary  
L. [Reprint author]  
CORPORATE SOURCE: Denver, CO, USA  
SOURCE: Neurology, (April 12, 1999) Vol. 52, No. 6 SUPPL. 2, pp.  
A186. print.  
Meeting Info.: 51st Annual Meeting of the American Academy  
of Neurology. Toronto, Ontario, Canada. April 17-24, 1999.  
American Academy of Neurology.  
CODEN: NEURAI. ISSN: 0028-3878.  
DOCUMENT TYPE: Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LANGUAGE: English  
ENTRY DATE: Entered STN: 28 Jul 1999  
Last Updated on STN: 28 Jul 1999

L8 ANSWER 148 OF 175 MEDLINE on STN DUPLICATE 86  
ACCESSION NUMBER: 1999330187 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 10403393  
TITLE: Lack of c-Jun activity increases survival to cisplatin.  
AUTHOR: Sanchez-Perez I; Perona R  
CORPORATE SOURCE: Instituto de Investigaciones Biomeicas C.S.I.C./U.A.M.,  
Madrid, Spain.  
SOURCE: FEBS letters, (1999 Jun 18) 453 (1-2) 151-8.  
Journal code: 0155157. ISSN: 0014-5793.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199908  
ENTRY DATE: Entered STN: 19990816  
Last Updated on STN: 20021015  
Entered Medline: 19990802

L8 ANSWER 149 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 1999:77999 SCISEARCH Full-text  
THE GENUINE ARTICLE: 157AX

TITLE: The nuclear factor-kappa B RelA transcription factor is constitutively activated in human pancreatic adenocarcinoma cells

AUTHOR: Wang W X; Abbruzzese J L; Evans D B; Larry L; Cleary K R; Chiao P J (Reprint)

CORPORATE SOURCE: UNIV TEXAS, MD ANDERSON CANCER CTR, DEPT SURG ONCOL TUMOR BIOL, BOX 107, 1515 HOLCOMBE BLVD, HOUSTON, TX 77030 (Reprint); UNIV TEXAS, MD ANDERSON CANCER CTR, DEPT SURG ONCOL, HOUSTON, TX 77030; UNIV TEXAS, MD ANDERSON CANCER CTR, DEPT TUMOR BIOL, HOUSTON, TX 77030; UNIV TEXAS, MD ANDERSON CANCER CTR, DEPT GASTROINTESTINAL MED ONCOL & DIGEST DIS, HOUSTON, TX 77030; UNIV TEXAS, MD ANDERSON CANCER CTR, DEPT PATHOL, HOUSTON, TX 77030

COUNTRY OF AUTHOR: USA

SOURCE: CLINICAL CANCER RESEARCH, (JAN 1999) Vol. 5, No. 1, pp. 119-127.  
 Publisher: AMER ASSOC CANCER RESEARCH, PO BOX 11806, BIRMINGHAM, AL 35202.  
 ISSN: 1078-0432.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: CLIN

LANGUAGE: English

REFERENCE COUNT: 52

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 150 OF 175 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2000:32328 BIOSIS Full-text

DOCUMENT NUMBER: PREV200000032328

TITLE: Myocardial ischemia/reperfusion causes caspase-mediated cleavage of MEKK1 in the adult rat heart in vivo.

AUTHOR(S): Zerowski, David C. [Reprint author]; Sadoshima, Junichi [Reprint author]

CORPORATE SOURCE: AUHS, Pittsburgh, PA, USA

SOURCE: Circulation, (Nov. 2, 1999) Vol. 100, No. 18 SUPPL., pp. I.9. print.  
 Meeting Info.: 72nd Scientific Sessions of the American Heart Association. Atlanta, Georgia, USA. November 7-10, 1999.  
 CODEN: CIRCAZ. ISSN: 0009-7322.

DOCUMENT TYPE: Conference; (Meeting)  
 Conference; Abstract; (Meeting Abstract)

LANGUAGE: English

ENTRY DATE: Entered STN: 13 Jan 2000  
 Last Updated on STN: 31 Dec 2001

L8 ANSWER 151 OF 175 MEDLINE on STN DUPLICATE 87

ACCESSION NUMBER: 1998447622 MEDLINE Full-text

DOCUMENT NUMBER: PubMed ID: 9774391

TITLE: Regulation of apoptosis by alpha-subunits of G12 and G13 proteins via apoptosis signal-regulating kinase-1.

AUTHOR: Berestetskaya Y V; Faure M P; Ichijo H; Voyno-Yasenetskaya T A

CORPORATE SOURCE: Department of Pharmacology, University of Illinois, Chicago, Illinois 60612, USA.

SOURCE: Journal of biological chemistry, (1998 Oct 23) 273 (43) 27816-23.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 United States

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199811

ENTRY DATE: Entered STN: 19990106  
 Last Updated on STN: 20020420  
 Entered Medline: 19981112

L8 ANSWER 152 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 1998:671799 SCISEARCH Full-text

THE GENUINE ARTICLE: 114NY

TITLE: Tumor necrosis factor signaling to stress-activated protein kinase (SAPK)/Jun NH2-terminal kinase (JNK) and p38 - Germinal center kinase couples TRAF2 to mitogen-activated protein kinase/ERK kinase kinase 1 and SAPK while receptor interacting protein associates with a



mitogen-activated protein kinase kinase upstream of  
MKK6 and p38

AUTHOR: Yuasa T; Ohno S; Kehrl J H; Kyriakis J M (Reprint)  
CORPORATE SOURCE: MASSACHUSETTS GEN HOSP E, DIABET RES LAB, MED RES LAB, 149  
13TH ST, CHARLESTOWN, MA 02129 (Reprint); MASSACHUSETTS  
GEN HOSP E, DIABET RES LAB, MED RES LAB, CHARLESTOWN, MA  
02129; YOKOHAMA CITY UNIV, SCH MED, DEPT MOL BIOL,  
KANAZAWA KU, YOKOHAMA, KANAGAWA 236, JAPAN; NIAID, CELL  
MOL IMMUNOL SECT B, IMMUNOREGULAT LAB, NIH, BETHESDA, MD  
20892  
COUNTRY OF AUTHOR: USA; JAPAN  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (28 AUG 1998) Vol. 273,  
No. 35, pp. 22681-22692.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
ISSN: 0021-9258.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 58  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 153 OF 175 MEDLINE on STN DUPLICATE 88  
ACCESSION NUMBER: 1998393680 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9724739  
TITLE: MEKK1/JNK signaling stabilizes and activates p53.  
AUTHOR: Fuchs S Y; Adler V; Pincus M R; Ronai Z  
CORPORATE SOURCE: Ruttenberg Cancer Center, Mount Sinai School of Medicine,  
New York, NY 10029, USA.  
CONTRACT NUMBER: CA42500 (NCI)  
CA59908 (NCI)  
CA78419 (NCI)  
SOURCE: Proceedings of the National Academy of Sciences of the  
United States of America, (1998 Sep 1) 95 (18) 10541-6.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199809  
ENTRY DATE: Entered STN: 19981008  
Last Updated on STN: 20020420  
Entered Medline: 19980928

L8 ANSWER 154 OF 175 MEDLINE on STN DUPLICATE 89  
ACCESSION NUMBER: 1998175990 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9507028  
TITLE: Caspase-dependent cleavage of signaling proteins during  
apoptosis. A turn-off mechanism for anti-apoptotic  
signals.  
AUTHOR: Widmann C; Gibson S; Johnson G L  
CORPORATE SOURCE: Program in Molecular Signal Transduction, National Jewish  
Medical and Research Center, Denver, Colorado 80206, USA.  
SOURCE: Journal of biological chemistry, (1998 Mar 20) 273 (12)  
7141-7.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199804  
ENTRY DATE: Entered STN: 19980422  
Last Updated on STN: 20020420  
Entered Medline: 19980416

L8 ANSWER 155 OF 175 MEDLINE on STN DUPLICATE 90  
ACCESSION NUMBER: 1998245125 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9576928  
TITLE: Fas-induced proteolytic activation and intracellular  
redistribution of the stress-signaling kinase MEKK1  
AUTHOR: Deak J C; Cross J V; Lewis M; Qian Y; Parrott L A;  
Distelhorst C W; Templeton D J  
CORPORATE SOURCE: Institute of Pathology, Case Western Reserve University,  
10900 Euclid Avenue, Cleveland OH 44106, USA.

CONTRACT NUMBER: CA-66134 (NCI)

CA-68738 (NCI)

SOURCE: Proceedings of the National Academy of Sciences of the  
United States of America, (1998 May 12) 95 (10) 5595-600.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199806  
ENTRY DATE: Entered STN: 19980708  
Last Updated on STN: 20020420  
Entered Medline: 19980619

L8 ANSWER 156 OF 175 MEDLINE on STN DUPLICATE 91

ACCESSION NUMBER: 1998378553 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9710625  
TITLE: Stress-induced Fas ligand expression in T cells is mediated  
through a MEK kinase 1-regulated response element in the  
Fas ligand promoter.  
AUTHOR: Faris M; Latinis K M; Kempiak S J; Koretzky G A; Nel A  
CORPORATE SOURCE: Division of Clinical Immunology and Allergy, Department of  
Medicine, UCLA School of Medicine, Los Angeles, California  
90095, USA.  
CONTRACT NUMBER: AG14963 (NIA)  
AG14992 (NIA)  
AI52735 (NIAID)  
+

SOURCE: Molecular and cellular biology, (1998 Sep) 18 (9) 5414-24.  
Journal code: 8109087. ISSN: 0270-7306.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199809  
ENTRY DATE: Entered STN: 19980917  
Last Updated on STN: 20020420  
Entered Medline: 19980910

L8 ANSWER 157 OF 175 MEDLINE on STN DUPLICATE 92

ACCESSION NUMBER: 1998353465 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9687508  
TITLE: Differential regulation of c-Jun by ERK and JNK during PC12  
cell differentiation.  
AUTHOR: Leppa S; Saffrich R; Ansorge W; Bohmann D  
CORPORATE SOURCE: European Molecular Biology Laboratory, Heidelberg, Germany.  
SOURCE: EMBO journal, (1998 Aug 3) 17 (15) 4404-13.  
Journal code: 8208664. ISSN: 0261-4189.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199809  
ENTRY DATE: Entered STN: 19981006  
Last Updated on STN: 19981006  
Entered Medline: 19980922

L8 ANSWER 158 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 1998:326356 SCISEARCH Full-text  
THE GENUINE ARTICLE: ZJ528  
TITLE: Activation of p21-CDC42/Rac-activated kinases by CD28  
signaling: p21-activated kinase (PAK) and MEK kinase 1 (MEK1)  
may mediate the interplay between CD3 and CD28 signals  
AUTHOR: Kaga S; Ragg S; Rogers K A; Ochi A (Reprint)  
CORPORATE SOURCE: UNIV WESTERN ONTARIO, JOHN P ROBARTS RES INST, 1400  
WESTERN RD, LONDON, ON N6G 2V4, CANADA (Reprint); UNIV  
WESTERN ONTARIO, JOHN P ROBARTS RES INST, LONDON, ON N6G  
2V4, CANADA; UNIV WESTERN ONTARIO, DEPT MICROBIOL &  
IMMUNOL, LONDON, ON, CANADA; UNIV WESTERN ONTARIO, DEPT  
ANAT & CELL BIOL, LONDON, ON, CANADA  
COUNTRY OF AUTHOR: CANADA  
SOURCE: JOURNAL OF IMMUNOLOGY, (1 MAY 1998) Vol. 160, No. 9, pp.  
4182-4189.  
Publisher: AMER ASSOC IMMUNOLOGISTS, 9650 ROCKVILLE PIKE,

BETHESDA, MD 20814.

ISSN: 0022-1767.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: English

REFERENCE COUNT: 44

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 159 OF 175 MEDLINE on STN DUPLICATE 93  
ACCESSION NUMBER: 1998298246 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9632786  
TITLE: Adenovirus E1B 19,000-molecular-weight protein activates  
c-Jun N-terminal kinase and c-Jun-mediated transcription.  
AUTHOR: See R H; Shi Y  
CORPORATE SOURCE: Department of Pathology, Harvard Medical School, Boston,  
Massachusetts 02115, USA.  
CONTRACT NUMBER: GM53874 (NIGMS)  
SOURCE: Molecular and cellular biology, (1998 Jul) 18 (7) 4012-22.  
Journal code: 8109087. ISSN: 0270-7306.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199807  
ENTRY DATE: Entered STN: 19980723  
Last Updated on STN: 20020420  
Entered Medline: 19980716

L8 ANSWER 160 OF 175 MEDLINE on STN DUPLICATE 94  
ACCESSION NUMBER: 1998187659 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9528810  
TITLE: MEK kinase 1, a substrate for DEVD-directed caspases, is  
involved in genotoxin-induced apoptosis.  
AUTHOR: Widmann C; Gerwins P; Johnson N L; Jarpe M B; Johnson G L  
CORPORATE SOURCE: Division of Basic Sciences, National Jewish Center for  
Immunology and Respiratory Medicine, Denver, Colorado  
80206, USA.. johnsonlab@njc.org  
CONTRACT NUMBER: CA58157 (NCI)  
DK37871 (NIDDK)  
DK48845 (NIDDK)  
+  
SOURCE: Molecular and cellular biology, (1998 Apr) 18 (4) 2416-29.  
Journal code: 8109087. ISSN: 0270-7306.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199805  
ENTRY DATE: Entered STN: 19980529  
Last Updated on STN: 20020420  
Entered Medline: 19980521

L8 ANSWER 161 OF 175 MEDLINE on STN DUPLICATE 95  
ACCESSION NUMBER: 1999055404 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9836645  
TITLE: Role of MEKK1 in cell survival and activation of  
JNK and ERK pathways defined by targeted gene disruption.  
AUTHOR: Yujiri T; Sather S; Fanger G R; Johnson G L  
CORPORATE SOURCE: Program in Molecular Signal Transduction, Division of Basic  
Sciences, National Jewish Medical and Research Center,  
Denver, CO 80206, USA.  
CONTRACT NUMBER: DK37871 (NIDDK)  
GM30324 (NIGMS)  
SOURCE: Science, (1998 Dec 4) 282 (5395) 1911-4.  
Journal code: 0404511. ISSN: 0036-8075.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199812  
ENTRY DATE: Entered STN: 19990115  
Last Updated on STN: 20020420  
Entered Medline: 19981228

L8 ANSWER 162 OF 175 MEDLINE on STN DUPLICATE 96

ACCESSION NUMBER: 1998104169 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 9430725  
 TITLE: Molecular mechanisms of c-Jun N-terminal kinase-mediated apoptosis induced by anticarcinogenic isothiocyanates.  
 AUTHOR: Chen Y R; Wang W; Kong A N; Tan T H  
 CORPORATE SOURCE: Department of Microbiology and Immunology, Baylor College of Medicine, Houston, Texas 77030, USA.  
 CONTRACT NUMBER: R01-AI38649 (NIAID)  
 R01-GM49875 (NIGMS)  
 R29-GM49172 (NIGMS)  
 +  
 SOURCE: Journal of biological chemistry, (1998 Jan 16) 273 (3) 1769-75.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199802  
 ENTRY DATE: Entered STN: 19980224  
 Last Updated on STN: 20000303  
 Entered Medline: 19980212

L8 ANSWER 163 OF 175 MEDLINE on STN DUPLICATE 97  
 ACCESSION NUMBER: 1998132571 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 9464996  
 TITLE: Role of the Jun kinase pathway in the regulation of c-Jun expression and apoptosis in sympathetic neurons.  
 AUTHOR: Eilers A; Whitfield J; Babij C; Rubin L L; Ham J  
 CORPORATE SOURCE: Eisai London Research Laboratories, University College London, London WC1E 6BT, United Kingdom.  
 SOURCE: Journal of neuroscience : official journal of the Society for Neuroscience, (1998 Mar 1) 18 (5) 1713-24.  
 Journal code: 8102140. ISSN: 0270-6474.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199803  
 ENTRY DATE: Entered STN: 19980312  
 Last Updated on STN: 20020420  
 Entered Medline: 19980304

L8 ANSWER 164 OF 175 MEDLINE on STN DUPLICATE 98  
 ACCESSION NUMBER: 1999069491 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 9852160  
 TITLE: p53 is essential for developmental neuron death as regulated by the TrkA and p75 neurotrophin receptors.  
 AUTHOR: Aloyz R S; Bamji S X; Pozniak C D; Toma J G; Atwal J; Kaplan D R; Miller F D  
 CORPORATE SOURCE: Center for Neuronal Survival, Montreal Neurological Institute, McGill University, Montreal, Quebec, Canada H3A 2B4.  
 SOURCE: Journal of cell biology, (1998 Dec 14) 143 (6) 1691-703.  
 Journal code: 0375356. ISSN: 0021-9525.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199901  
 ENTRY DATE: Entered STN: 19990209  
 Last Updated on STN: 20020420  
 Entered Medline: 19990126

L8 ANSWER 165 OF 175 MEDLINE on STN DUPLICATE 99  
 ACCESSION NUMBER: 1999038267 MEDLINE Full-text  
 DOCUMENT NUMBER: PubMed ID: 9820741  
 TITLE: The TAO of MEKK.  
 AUTHOR: Schlesinger T K; Fanger G R; Yujiri T; Johnson G L  
 CORPORATE SOURCE: Program in Molecular Signal Transduction, Division of Basic Sciences, National Jewish Medical and Research Center, 1400 Jackson St. Denver, CO 80206, USA.  
 CONTRACT NUMBER: DK 37871 (NIDDK)  
 DK 48845 (NIDDK)

GM 30324 (NIGMS)

+  
SOURCE: Front Biosci, (1998 Nov 15) 3 D1181-6. Ref: 50  
Journal code: 9702166. ISSN: 1093-4715.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199812  
ENTRY DATE: Entered STN: 19990115  
Last Updated on STN: 20020420  
Entered Medline: 19981209

L8 ANSWER 166 OF 175 MEDLINE on STN DUPLICATE 100  
ACCESSION NUMBER: 1998211691 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9551965  
TITLE: The c-Jun N-terminal kinase cascade plays a role in  
stress-induced apoptosis in Jurkat cells by  
up-regulating Fas ligand expression.  
AUTHOR: Faris M; Kokot N; Latinis K; Kasibhatla S; Green D R;  
Koretzky G A; Nel A  
CORPORATE SOURCE: Department of Medicine, UCLA School of Medicine, Los  
Angeles, CA 90095, USA.  
CONTRACT NUMBER: AG14763 (NIA)  
AI34567 (NIAID)  
AI52735 (NIAID)

+  
SOURCE: Journal of immunology (Baltimore, Md. : 1950), (1998 Jan 1)  
160 (1) 134-44.  
Journal code: 2985117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199805  
ENTRY DATE: Entered STN: 19980514  
Last Updated on STN: 20020420  
Entered Medline: 19980507

L8 ANSWER 167 OF 175 MEDLINE on STN DUPLICATE 101  
ACCESSION NUMBER: 1998075108 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9412490  
TITLE: Motoneuron apoptosis is blocked by CEP-1347 (KT  
7515), a novel inhibitor of the JNK signaling pathway.  
AUTHOR: Maroney A C; Glicksman M A; Basma A N; Walton K M; Knight E  
Jr; Murphy C A; Bartlett B A; Finn J P; Angeles T; Matsuda  
Y; Neff N T; Dionne C A  
CORPORATE SOURCE: Cephalon Incorporated, West Chester, Pennsylvania 19380,  
USA.  
SOURCE: Journal of neuroscience : official journal of the Society  
for Neuroscience, (1998 Jan 1) 18 (1) 104-11.  
Journal code: 8102140. ISSN: 0270-6474.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199801  
ENTRY DATE: Entered STN: 19980130  
Last Updated on STN: 19980130  
Entered Medline: 19980116

L8 ANSWER 168 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE  
102  
ACCESSION NUMBER: 1998:29163 SCISEARCH Full-text  
THE GENUINE ARTICLE: YM852  
TITLE: Activation of stress-activated protein kinase c-Jun  
N-terminal kinase, but not NF-kappa B, by the tumor  
necrosis factor (TNF) receptor 1 through a TNF  
receptor-associated factor 2- and germinal center kinase  
related-dependent pathway  
AUTHOR: Shi C S; Kehrl J H (Reprint)  
CORPORATE SOURCE: NIAID, IMMUNOREGULAT LAB, B CELL MOL IMMUNOL SECT, BLDG  
10, RM 11B-13, 10 CTR DR, MSC 1876, BETHESDA, MD 20892

(Reprint); NIAID, IMMUNOREGULAT LAB, B CELL MOL IMMUNOL  
SECT, BETHESDA, MD 20892

COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (19 DEC 1997) Vol. 272,  
No. 51, pp. 32102-32107.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 34  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 169 OF 175 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
ACCESSION NUMBER: 97:688120 SCISEARCH Full-text  
THE GENUINE ARTICLE: XV492  
TITLE: Activation of the hematopoietic progenitor kinase-1  
(HPK1)-dependent, stress-activated c-Jun N-terminal kinase  
(JNK) pathway by transforming growth factor beta  
(TGF-beta)-activated kinase (TAK1), a kinase mediator of  
TGF beta signal transduction

AUTHOR: Wang W F (Reprint); Zhou G S; Hu M C T; Yao Z B; Tan T H  
CORPORATE SOURCE: BAYLOR COLL MED, DEPT MICROBIOL & IMMUNOL, M929, 1 BAYLOR  
PLAZA, HOUSTON, TX 77030 (Reprint); AMGEN INC, DEPT EXPT  
HEMATOL, THOUSAND OAKS, CA 91320; AMGEN INC, DEPT BIOL,  
BOULDER, CO 80301

COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (5 SEP 1997) Vol. 272,  
No. 36, pp. 22771-22775.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 29  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 170 OF 175 MEDLINE on STN DUPLICATE 103  
ACCESSION NUMBER: 97347467 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9201973  
TITLE: Activation of c-Jun N-terminal kinase antagonizes an  
anti-apoptotic action of Bcl-2.

AUTHOR: Park J; Kim I; Oh Y J; Lee K; Han P L; Choi E J  
CORPORATE SOURCE: Cell Biology Laboratory, Hanhyo Institute of Technology,  
461-6, Jeonmin-dong, Yuseong-ku, Taejon 305-390, Korea.

SOURCE: Journal of biological chemistry, (1997 Jul 4) 272 (27)  
16725-8.  
Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199707  
ENTRY DATE: Entered STN: 19970812  
Last Updated on STN: 19980206  
Entered Medline: 19970731

L8 ANSWER 171 OF 175 MEDLINE on STN DUPLICATE 104  
ACCESSION NUMBER: 97385174 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9238048  
TITLE: Hepatitis B virus HBx protein sensitizes cells to apoptotic  
killing by tumor necrosis factor alpha.

AUTHOR: Su F; Schneider R J  
CORPORATE SOURCE: Department of Biochemistry and Kaplan Cancer Center, New  
York University Medical School, New York, NY 10016, USA.

CONTRACT NUMBER: CA54525 (NCI)  
SOURCE: Proceedings of the National Academy of Sciences of the  
United States of America, (1997 Aug 5) 94 (16) 8744-9.  
Journal code: 7505876. ISSN: 0027-8424.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals

ENTRY MONTH: 199709  
ENTRY DATE: Entered STN: 19970922  
Last Updated on STN: 19970922  
Entered Medline: 19970908

L8 ANSWER 172 OF 175 MEDLINE on STN DUPLICATE 105  
ACCESSION NUMBER: 97470610 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9331070  
TITLE: Human mitogen-activated protein kinase kinase 4 as a  
candidate tumor suppressor.  
AUTHOR: Teng D H; Perry W L 3rd; Hogan J K; Baumgard M; Bell R;  
Berry S; Davis T; Frank D; Frye C; Hattier T; Hu R;  
Jammulapati S; Janecki T; Leavitt A; Mitchell J T; Pero R;  
Sexton D; Schroeder M; Su P H; Swedlund B; Kyriakis J M;  
Avruch J; Bartel P; Wong A K; Tavtigian S V; +  
CORPORATE SOURCE: Myriad Genetics, Inc., Salt Lake City, Utah 84108, USA..  
tengd@myriad.com  
SOURCE: Cancer research, (1997 Oct 1) 57 (19) 4177-82.  
Journal code: 2984705R. ISSN: 0008-5472.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-AF070080; GENBANK-AF070081; GENBANK-AF070082;  
GENBANK-AF070083; GENBANK-AF070084; GENBANK-AF070085;  
GENBANK-AF070086; GENBANK-AF070087; GENBANK-AF070088;  
GENBANK-AF070089; GENBANK-AF070090  
ENTRY MONTH: 199710  
ENTRY DATE: Entered STN: 19971224  
Last Updated on STN: 20000303  
Entered Medline: 19971028

L8 ANSWER 173 OF 175 MEDLINE on STN DUPLICATE 106  
ACCESSION NUMBER: 1998055618 MEDLINE Full-text  
DOCUMENT NUMBER: PubMed ID: 9395240  
TITLE: Potentiation of apoptosis by low dose stress  
stimuli in cells expressing activated MEK kinase 1.  
AUTHOR: Widmann C; Johnson N L; Gardner A M; Smith R J; Johnson G L  
CORPORATE SOURCE: Division of Basic Sciences, National Jewish Center for  
Immunology and Respiratory Medicine, Denver, Colorado  
80206, USA.  
CONTRACT NUMBER: CA 58157 (NCI)  
DK 37871 (NIDDK)  
DK 48845 (NIDDK)  
+  
SOURCE: Oncogene, (1997 Nov 13) 15 (20) 2439-47.  
Journal code: 8711562. ISSN: 0950-9232.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199712  
ENTRY DATE: Entered STN: 19980116  
Last Updated on STN: 20020420  
Entered Medline: 19971229

L8 ANSWER 174 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1997:654337 CAPLUS Full-text  
DOCUMENT NUMBER: 127:329922  
TITLE: Integrins and anoikis  
AUTHOR(S): Frisch, Steven M.; Ruoslahti, Erkki  
CORPORATE SOURCE: La Jolla Cancer Research Center, The Burnham  
Institute, La Jolla, CA, 92037, USA  
SOURCE: Current Opinion in Cell Biology (1997), 9(5), 701-706  
CODEN: COCBE3; ISSN: 0955-0674  
PUBLISHER: Current Biology  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English

L8 ANSWER 175 OF 175 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1997:504057 CAPLUS Full-text  
DOCUMENT NUMBER: 127:218369  
TITLE: The regulation of anoikis: MEKK-1 activation requires  
cleavage by caspases  
AUTHOR(S): Cardone, Michael H.; Salvesen, Guy S.; Widmann,

CORPORATE SOURCE: Christian; Johnson, Gary; Frisch, Steven M.  
SOURCE: The Burnham Institute, La Jolla, CA, 92037, USA  
Cell (Cambridge, Massachusetts) (1997), 90(2), 315-323  
CODEN: CELLB5; ISSN: 0092-8674  
PUBLISHER: Cell Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English